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Vol. XIV

AUGUST, 1911

No. 2

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American Fruits

International Journal of Commerical Horticulture

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Vol. XIV

ROCHESTER, N. Y., AUG., 1911

No. 2

Pacific Coast Nurserymen In Session

More Than Two Hundred at San Jose, Cal., Meeting--Standard of Grades Adopted---Reciprocity Favored---Federal Legislation---Co-operation with Fruit Growers---Auxiliary Association Plan--- California Leads Off--- P. A. Dix, President---Salt Lake Next Year

By C. A. Tenneson, Secretary, Tacoma, Wash.

THE NINTH annual meeting of the Pacific Coast Association of Nurserymen held at San Jose, California, was the largest in attendance of any of the meetings previously held and one of the most interesting and enjoyable. The membership list has increased to over 200, more than half of whom were present. States embraced in the association represented were Idaho, Oregon, Washington, British Columbia, Utah and California.

The program including business, social and educational features, was carried out to the letter. The association adopted a fixed standard of grades for trees to include caliper corresponding to height, to be designated as 1, 2 and 3.

The association favored reciprocity with Canada and the enactment of laws by Congress which will protect nursery stock and the fruit industries of the country against insect pests and plant diseases which might be introduced from abroad and become a menace to this country.

E. J. Wickson, Dean of Agriculture University of California, in an interesting address gave facts to show why the nurseryman stands in the position of an educator to the fruit growers to the mutual interest of the growers and himself.

J. W. Jeffry, commissioner of horticulture, State of California, outlined fixed standards on the basis of which horticultural officers, nurserymen and fruit growers could meet and work harmoniously together to their mutual interests.

Johannes Reimers, the landscape architect of Sacramento, Cal., gave a very interesting paper on "Rural Out of Doors."

Plainly the nurserymen were brought into more sympathetic relations and a closer fraternal feeling obtained at the close of the session. A general enthusiasm was shown for high grade work and in suggestions for legislative and other action.



P. A. DIX, President
Roy, Utah

The next meeting to be held in Salt Lake City, Utah, and presumably during the month of June, 1912. The new officers elected are: P. A. Dix of Roy, Utah, President; Vice-presidents, C. F. Lansing, Salem, Oregon; A. W. McDonald, Toppenish, Washington; Charles Howard, Hemet, California; C. H. Smith, Centerville, Utah; Ray I. Hartley, Emmet, Idaho; J. D. Tighe, Billings, Montana; C. L. Trotter, Vancouver, British Columbia; Secretary and Treasurer, C. A. Tenneson, Tacoma, Washington.

Recreation

The San Jose Chamber of Commerce provided the meeting hall and gave the nurserymen a very enjoyable trolley trip through the Santa Clara valley.

The second "play day" afternoon was spent with the California Nursery Co., at Niles, a special train being chartered by the California nurserymen for the occasion. Manager W. V. Eberly of the California Nursery Co., was twice called upon to address the convention, and while his response was brief, in the complete meal which he placed before those visiting the grounds of the nursery company, he showed himself indeed a royal host. The best part of it was that every item on the bill of fare was a California product, at least so far as we saw in looking over the various edibles, from olives, grapefruit and cherries, to the sandwiches, which we assume were made from California flour. The Shasta mineral water was likewise a California production, and it may be noted that those who did not like water were not compelled to have thirst unquenched, for there were many other kinds of liquid from which to select.

President George C. Roeding was untiring in his efforts for the success of this meeting and his address was full of practical suggestions essential for the highest ultimate success of the nursery business on the Pacific coast.

Among his recommendations were the organization of state auxiliary associations to be affiliated with the Pacific Coast Association. Carrying out this suggestion a

California organization was formed with W. V. Eberly president and H. W. Kruckeberg, Los Angeles, secretary-treasurer.

International Apple Shippers

Detroit, Mich.—Preparations are on for the big convention of the International Apple Shippers' Association which is to open Wednesday, August 9, at 10 a. m. and continue to August 11. The meeting is expected to be the most important ever held. The subjects that are to receive special attention are "Cold Storage and Its Restrictions," "Storage in Transit," "Standardization or Grading and Packing Legislation," "Apple Auctions" and many other questions.

Many speakers who have been assigned subjects and have accepted will be present. A banquet will be given Thursday night. An important feature will be the apple exhibit.

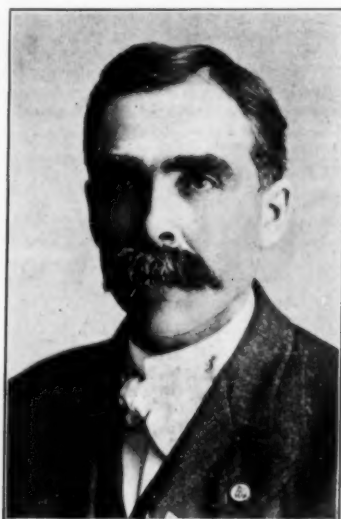
Texas Nursery Association

Alvin, Tex.—New officers of the Texas Nursery Association are: W. A. Stockwell, president; R. A. Holbert, vice-president; I. M. Johnson, secretary; Mr. Libby, treasurer. The Association is composed of leading nurseries in the Texas Gulf Coast country, and was organized a year ago in Corpus Christi, but since that time its membership has grown considerably and it is beginning to wield a wide influence.

Franklin Forestry Company

Kennebunk, Me.—The Franklin Forestry Co. has been organized to raise seedling trees and conduct a general nursery business. Capital, \$10,000. Stockholders: Harry F. Gould, president and treasurer, Watertown, Mass.; Russell S. Langdell, Lowell, Mass.; Walter L. Dane, Kennebunk, Me.

Orange growers of De Land, Fla., district last month discussed methods of packing and shipment. The state association of citrus fruit growers met at Tampa recently.



C. A. TONNESON, Secretary
Pacific Coast Nurserymen's Ass'n.



GEORGE C. ROEDING
Retiring President P. C. N. Assn.

Practical Suggestion to Nurserymen

Plant Apple Trees Having Root Gall---Note Results and Report to E. H. Smith, Chairman Root Knot Committee of American Association of Nurserymen--National Committee Representing the States

Following is the letter sent out under date of June 28, by E. H. Smith, Lake City, Minn., chairman of the Root Knot Committee of the American Association of Nurserymen:

Dear Sir:—A year ago at the National Convention at Denver, the writer was appointed Chairman of what is known as the Root Knot Committee. You were kind enough to act as a member of this committee, and we appreciate your cordial support and prompt replies to our various letters.

The writer has been appointed chairman of this Root Knot Committee for the coming year. Considerable interest was manifested in this subject at the meeting recently held at St. Louis. Some articles were presented by different members of the committee which will be reviewed and referred to later on, there not being time at the convention at St. Louis.

Several members of the committee reported that the agitation started a year ago has been a benefit, as it furnished information to inspectors who wanted to do what was right but really had little to guide them. Except in a few cases inspectors were more lenient in their inspection of apple trees, on which there was Root or Crown Gall, than previously. But there remains much to be done.

We make the following suggestion: Let every nurseryman set out apple trees, which have Root Gall upon them, take photographs

of some of them when the trees are planted. Some of our members are doing this. As time goes on you will have done something definite and a data to work from. The experiments will be valuable. If work of this kind had been done twenty years ago there would be very little Root Gall scare now. Remember we are doing work that will be of special value ten, fifteen and twenty years from now. Report if you are able to do some experimenting along this line.

If you can interest other nurserymen to do the same thing, all the better. It is also necessary to get Experimental Stations to do some work, planting out a hundred trees, or more. If you do the same thing, and do the work just as well, the result of your experiments will not have the same weight as the same work done by the Experimental Station. They carry authority. Now if you can interest the Experimental Stations in your state to do some of this work, you will render valuable service to the nurserymen of the entire country.

If, as chairman of this committee, I can render you any assistance, or can write parties regarding this matter, who have experimental stations in charge, advise and I shall be pleased to do what I can. Anything of interest along the line of Root Gall Experiments or inspections, I shall be pleased to have you send me direct. I wish to gather all the information possible, then condense it and either report it to the association, or

hold it on file for future reference. Remember this work is wide-reaching. It is not for the individual, but the country at large.

We also desire committees in the following states, where we were unable to secure them last year. If there is anyone you can recommend, shall be pleased to have you do so:

Alabama, Idaho, Massachusetts, Colorado, Michigan, Virginia, New York.

Following is a list of committees already appointed: California, George C. Roeding, Fresno; Georgia, L. A. Berckmans, Augusta; Georgia, C. T. Smith, Concord; Indiana, C. M. Hobbs, Bridgeport; Illinois, Guy A. Bryant, Princeton; Kansas, J. H. Skinner, Topeka; Missouri, R. J. Bagby, New Haven; Minnesota, E. A. Smith, Lake City; Montana, D. J. Tighe, Billings; Nebraska, G. A. Marshall, Arlington; North Carolina, J. Van Lindley, Guilford; Oklahoma, J. A. Lope, man, Euld; Oregon, Oregon Nursery Co., Orenco; Pennsylvania, Abner Hoopes, West Chester; South Dakota, George H. Whiting, Yankton; Tennessee, H. W. Chattin, Winchester; Texas, J. S. Kerr, Sherman; Washington, Washington Nursery Co., Toppenish; Maryland, Orlando Harrison, Berlin; Iowa, E. S. Welch, Shenandoah; Ohio, T. J. Dinsmore, Troy; Alabama, H. B. Chase, Huntsville.

E. A. Smith,
Chairman Root Knot Committee.

Prune Growing In The Northwest

By H. L. Whiting, Walla Walla, Wash.

PRUNES WILL be prunes this year—in the Northwest at least. Though reports from different districts are what might be termed a trifle conflicting it is safe to say there will not be more than a two-thirds crop raised in Oregon, Washington and Idaho. In some districts there is only one-half a crop. There are two reasons for this. In many of the prune growing districts of the Northwest last year exceedingly heavy crops were harvested. This would naturally lessen the crop of this year, while there was a general frost in all parts of the three states the latter part of April.

The principal prune growing districts in the Northwest are: The Walla Walla Valley and the Yakima Valley in Washington; the Dalles and the Willamette Valley in Oregon, and the Payette and Boise Valleys in Idaho.

Reports from the Dalles indicate the crop very light in that section while the Willamette Valley reports a three-fourths crop. The Willamette Valley prune in most instances, is dried before shipping, the fruit being, as a general rule, of the soft nature.

There will be almost a one hundred percent crop in the Payette Valley, according to information received by different fruit men in this Valley, while the Boise crop was effected some by the late April frosts.

Intelligence from Yakima is that instead of 125 cars as was the record last year, the total crop will be about 75 to 80 cars.

These reports are given considerable weight when the prices being paid for prunes this year, are taken into consideration. Manager H. D. Lamb, of the Milton Fruit Growers' Union (in the Walla Walla Valley) has disposed of the Union's entire crop this year to the Gibson Fruit Co., Chicago, for \$35 per ton net the grower. This would average about 55 cents per box when the prune is ready for market. The Milton Union last year shipped close to 200 cars, but this year there will only be shipped about 100 cars. The Gibson people purchased last year's crop for \$30 per ton, net the grower.

Possibly the largest shippers of prunes in Washington is the Blalock Fruit Co., with headquarters in Walla Walla. Last year this one orchard shipped 97 cars as compared with an estimated 50 of this year. There are about 145 acres in bearing. According to Capt. Paul H. Weyrauch, manager of the orchard, his company sold a single car in London last year for \$1400 net the company. Two or three cars sold for \$1200 and more than a dozen at \$1000.

Almost the entire Blalock output is either sold in the New York or London markets. The fruit is sold and in fact as far as can be learned this orchard is the only one that ships the fresh fruit to London, where it is sold at what seems to be prices beyond reason. Mr. Ray Ellis, representing one of the largest nursery houses in the Northwest, paid a recent visit to Walla Walla and in commenting on the fruit situation said: "I am pleased indeed to note the interest you are taking in the prune, and well you might for so far as I can learn your district is the only one that raises a prune hard enough to ship to European markets."

The Blalock prune is all of a uniform pack and this is possibly the reason for them always getting from \$5 to \$8 more per ton than any other district in the Northwest.

Fruitbox manufacturing is one of the most important industries in Spokane, and millions of boxes are made there annually. Each box costs wholesale, about ten cents.

Approximately 100,000 fruit trees were set out last Spring in Mason County, Mich., fully two-thirds of the total being peaches.

The Appledale Company of Columbus, O., has been incorporated for \$150,000. This company owns 411 acres of fruit land in Hocking County, near Union Furnace, on which there are about 3000 15-year-old apple trees.

Fine Connecticut Peaches

New Haven, Conn.—Advice received here from the more important centers of the peach raising industry of the State point to a banner crop for this year. From the Glastenbury section from 125,000 to 150,000 baskets are expected; from Middlefield, Durham and Wallingford districts 300 carloads or 250,000 baskets will be harvested. Conditions during the past winter and spring were just right for the trees.

Mr. Wyman Active

Boston, Mass.—Dr. Fernald of Amherst, President Wyman of the Massachusetts Nurserymen's Association and J. Lewis Ellsworth, secretary of the Massachusetts Board of Agriculture, appeared before the state authorities in an endeavor to establish the office of inspector of nurseries and to increase the appropriation from \$2,000 to \$25,000 for that department.

Naming Orchards

Portland, Ore.—The law passed by the last legislature giving those owning farms and orchards the right to the exclusive use of names for their possessions if not previously applied for is being observed by many owners throughout the Rogue River valley.

Anyone wishing to adopt a name can apply to the county clerk. The fee for issuing a certificate is only \$1. This proposition is a rather novel one and is already proving popular throughout the state.

That the fame of Idaho fruit has spread pretty generally over the country is indicated from communications which John U. McPherson, state horticultural inspector, has received from Virginia, making careful inquiry as to the condition of the Idaho fruit this season.

American Apple Congress and Exposition

BY CLINTON L. OLIVER, SECRETARY, DENVER, COL.

DENVER, Colorado, is to be the scene of some big doings in the apple industry in November of this year. Last December there was held in that city a convention, called by the governor of Colorado, for the purpose of organizing The American Congress. At this convention there were representatives of eight states appointed by the governors of those states. An organization was perfected with the following officers: President, L. B. Prince, of Santa Fe, N. M.; 1st V. P., Sen. J. H. Crowley, Rocky Ford, Colo.; 2nd V. P., E. M. Sly, Kennewick, Wash.; 3d V. P., B. F. Coombs, Kansas City, Mo.; secretary-treasurer, Clinton L. Oliver, Paonia, Colorado. The latter having been secretary of the committee on preliminary work and responsible for the governor issuing the call for the convention.

The name chosen for the congress was The American Apple Congress and the objects of the organization are as follows:

First. To promote and diffuse knowledge concerning the apple industry on the American Continent.

Second. To facilitate conference and deliberation among the people of the country concerning the growing and marketing of apple crops and related interests.

Third. To provide means for bringing the needs of the people interested in the apple industry of the country before National and State governments.

Fourth. To provide ways and means for securing profitable legislation for the industry.

Fifth. To organize and maintain a "Transportation and Railroads Rates Bureau."

Sixth. To maintain a "Continental Information Bureau on Crops, Markets and Fruit Movements," and

Seventh. To promote and conduct apple exhibitions in connection with the Congress.

During the time that the first convention was in session several cities of the country sent invitations to the secretary asking that their city be chosen as the next convention city. The matter was left in the hands of the executive committee with power to act.

Correspondence was immediately opened with the cities that had sent invitations and an effort was made to get the proper financial support lined up. It was next to impossible to get any of the cities to come to any definite understanding as to just what they would be willing to do. Finally a movement was set on foot in Denver, by some public

spirited and prominent people, to give the congress support and promote an apple exposition. The American Apple Exposition Association was organized and incorporated with a capital of \$50,000. This association then made a proposition to the American Apple Congress whereby the association was to furnish the Congress certain facilities for holding its convention and giving certain inducements, through the proposed exposition, to the individual members of the Con-



CLINTON L. OLIVER
Secretary American Apple Congress,
Denver, Col.

gress. This proposition in addition to being a very excellent one was the only real tangible proposition made by any city.

The secretary immediately submitted the entire scheme to each member of the executive committee, numbering 25 and located in as many different states. The replies were all entirely favorable with the exception of one, thus showing that the proposition was a good one for the Congress. The details of this plan will be made known to any paid member of the Congress upon request.

The American Apple Exposition Association has the endorsement of every commercial organization in Denver, and an attempt will be made to make the week of the apple show, next November, the greatest week of entertainment ever held in that famous convention city at the base of the Rocky Mountains.

The American Apple Congress with its wide field for profitable work is getting, and merits, the support of the growers and dealers of the country. It is a truly national organization and while the head office this year is in Denver, the officers are broad men who do not propose to westernize its work. It is the only organization designed for both growers and dealers where they can be a help to each other and make their business relations profitable and more pleasant.

Some of the best men in the fruit industry are named on its executive staff and the six state officers in each of twenty-five states have been selected by the governors of those states because of the prominence of the men and their known ability. Such an organization should succeed in accomplishing much good for the Apple Industry.

The announcement that Spokane will not hold her show, in that city, this fall has added new impetus to the Denver show as it is probable that it will be the only strictly national apple show held in the United States this year. The premium list will be constructed so that every section of the country will have an opportunity to compete for the principal prizes. Denver invites the world to participate in this exposition assuring all that no effort will be spared to make the entertainment and show a memorable one in the history of apples.

Canadian Imports

The imports of nursery stock into Canada during the last fiscal year amounted to \$134,673, of which the imports from the United States amounted to \$111,636. The imports by classes were as follows: Currant, Raspberry and Gooseberry bushes and Grapevines, total \$14,189; from the United States, \$11,980. Apple, Cherry, Peach, Pear, Plum and Quince trees total, \$51,451; from the United States, \$50,320. All other trees, plants, shrubs, etc., total \$69,035; from the United States, \$49,336.

Increased Facilities

Wenatchee, Wash.—The capital stock of the Wenatchee Fruit Growers' Company has been increased to \$100,000 to provide additional facilities for handling this season's crop, which will be 200 carloads greater than any previous year.

Pre-cooling Charges

Denver, Colo.—By a decision of the Interstate Commerce Commission, the Southern Pacific railroad must reduce its pre-cooling charge from \$30 a car to \$7.50 a car.

Pineapples in Colorado

Lamar, Colo.—A company has been organized for the purpose of experimenting with Florida pineapples. Soil experts say the land in this vicinity is suitable and that the fruit will mature with sixty days of sunshine.

Just say you saw it in AMERICAN FRUITS.

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Specialties in Apple and Peach in carload lots.

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CHANUTE,

KANSAS.

APPLE TREES

We offer for Fall and Spring delivery a large and complete stock of standard varieties of **APPLE TREES** in one, two and three years.

We also have a fine block of peach trees. All trees are stocky, straight, healthy, well branched with good roots.

Send list of your wants for prices

MITCHELLS' NURSERY, BEVERLY, O.

Here's a Mighty Fine Opportunity for a Good Man Who Knows the Nursery Business, or a Firm Who Wants a Branch House.

I own one of the best greenhouse and nursery plants in the country—50,000 feet of glass is now in carnations and 130 acres in general nursery stock. I am a banker, a mighty busy man, and cannot give this enterprise the attention it deserves. A reliable nursery firm, or a competent man who possesses good business ability, will be sold a half interest at a fair price and on reasonable terms. It is desirable—but not absolutely necessary—that such a man should have a knowledge of greenhouse management and a married man is preferable. This locality is unexcelled for growing many kinds of nursery stock, and I believe it is an opportunity for a nursery firm or a capable man to establish a splendid business. If you feel that you are the type of a partner I am looking for, and can invest from \$15,000 to \$20,000 write to me at once.

V. Z. McFarland Publicity Service,
Box 3, Harrisburg, Pa.

Peach budders, who know how, wanted now



Established 1885

300 Acres

Incorporated 1911

Capital \$60,000

Dansville Trees

Enjoy the distinction of being the best in the U. S., guaranteed true to name and free from scale.

We have over 300 acres devoted exclusively to the propagation of hardy, upland trees, consisting of Plum, Pear, Cherry, Apple, Quince and Carolina Poplar.

Send for prices for buds for budding and trees for fall 1911, spring 1912.

Personal attention given each and every order.

You have tried the rest, now try the best.

MALONEY BROS. & WELLS CO., Dansville, N. Y.

A Negligible Factor

In a bulletin, No. 328, recently issued by the New York Agricultural Experiment Station, Geneva, N. Y., F. H. Hall of the station says:

"Crown gall of the apple has been often mentioned in recent years and by some has been considered an important trouble of the apple. An experiment made by the Station Botanist, however, and another, more extensive one, by a commercial nurseryman indicate that for New York State at least, this disease is, practically, a negligible factor. In the Station experiment twenty-two apple trees, typically affected with crown gall, were planted in 1901 and some of them dug up in 1903, in 1905 and in 1907. In no instance could any increase in the size of the galls be seen, nor was there any evidence that they had in any way injured the trees.

"In the nurseryman's test 500 Baldwin trees, all affected with crown gall, were planted in an experimental orchard, and after being set nine years 'show as good a growth as trees planted the same time and free from crown gall. The bark is smooth, healthy in appearance, and the trees look thrifty and vigorous."

Nurserymen and Inspection

Editor AMERICAN FRUITS:

On my way home from St. Louis I noticed a press despatch of the meeting, under the heading, "Nurserymen Against Inspection." Since this does not properly represent the attitude of the Nurserymen in this matter, it occurred to me that it might be well at the proper time for the position of the American Association of Nurserymen to be properly stated upon the question of nursery legislation, both state and international.

S. J. Hunter.

Lawrence, Kan.

The Keith Nursery Company, Independence, Ore., J. H. Keith, proprietor, has succeeded Brooks & Keith, Camas, Wash.

LITERATURE

We have received from W. A. Graham, commissioner of agriculture, Raleigh, N. C., the biennial report made by him to the governor under date of January 1, 1911. It is a valuable compilation of bulletins of the various branches of the State Department of Agriculture, together with reports by heads of bureaus. Cloth; pp. 426.

The Fourteenth Annual Report of the Secretary of Agriculture for the fiscal year ended June 30, 1910, occupies the first 156 pages of the yearbook of 1910 of the Department of Agriculture and gives the "general report of the operations of the Department," which, under the law, must form a part of the volume. This report, supplemented by the statistical matter found in the appendix, gives a more complete and comprehensive summary of agricultural conditions in the United States than can be found in any other single publication.

We have directed attention in these columns to the Young Farmer's Practical Library, edited in general by Ernest Ingersoll and in particular by those who have specialized on the subjects treated. This series is the direct outcome of the investigations of the Country Life Commission, appointed by President Roosevelt. In the series are the following among others: "Animal Competitors," by Mr. Ingersoll; "Neighborhood Entertainments," by Renee B. Stern, and "Home Waterworks," by Carlton J. Lynde. The books are illustrated. Buckram; 75 cents each. New York: STURGIS & WALTON CO.

Seven hundred and fifty pages of solid figures unaccompanied by text discussions other than explanatory notes, forms a rather uninteresting looking volume issued by the Bureau of Statistics of the Department of

Commerce and Labor, entitled Statistical Abstract of the United States, yet this annual volume, the thirty-third issue of which has just made its appearance, is called for by thousands of people in every part of the United States and in fact in every part of the world. It tells of the area, natural resources, and population of the country from the adoption of the constitution to the present time.

An exceptionally high grade production is the 1910-11 price catalogue of the Fancher Creek Nurseries, Fresno, Cal., 56 pages. We reproduce the following extract from one of the announcements therein:

"Our president and manager, Mr. George C. Roeding, is known the country over for his exhaustive research and untiring experiments in California horticulture. It is due to his personal efforts that Smyrna Fig culture and that of Phylloxera-resistant Grapes have become such prominent features of the fruit-growing industries of the Pacific coast. Added to this, our Nurseries are the authorized commercial propagators and distributors of Luther Burbank's fruit introductions. This in itself, raises our establishment to a plane higher than that occupied by any other concern."

DIRECTORY OF NURSERYMEN

Nearly 5000 names of nurserymen besides much other valuable information including all the laws for transportation of nursery stock in the United States and in Canada, lists of Associations, etc., in the "American Fruits" pocket directory of nurserymen.

"We have never appreciated the Directory in the right way until the last three weeks. It gives all the laws of the different states and all the addresses of officers for each state. We want one every year."—OZARK NURSERY COMPANY.

Sent postpaid on receipt of \$1.00. AMERICAN FRUITS PUBLISHING COMPANY, ROCHESTER, N. Y.

Meneray-Crescent Quality Stock

For shipment in the Fall of 1911 and Spring of 1912, we offer a varied line—everything well grown and the best in every respect. Our facilities in every way are excellent—growing, handling, packing and shipping. Satisfactory delivery is assured.

French Stocks and Seedlings

We are the sole United States and Canadian agents of SEBIRE-CAUVET, MESNIL-ESNARD (Seine-Inf.), FRANCE and offer for his account a general assortment. The prices are right and the quality of the stock is unexcelled.

Send Your Complete List of Wants For a Special Quotation.

F. W. Meneray Crescent Nursery Co.

COUNCIL BLUFFS, IOWA

L. R. TAYLOR & SONS

TOPEKA, KANSAS

WE GROW

APPLE SEEDLINGS OF QUALITY

THE HARD, BRITTLE, SNAPPY SORT

Only produced by Strong, New Land. Stop using soft, spongy seedlings grown on old worn out soil

A FINE LOT OF

JAPAN PEAR SEEDLINGS, APPLE, CHERRY, PEACH AND PEAR TREES

"Orchard Dividends" Apples from trees sprayed with

"SCALECIDE"

some as many as nine consecutive times, took all the first prizes at the Pennsylvania Horticultural Society Meeting; all the first prizes this year and last at the New Jersey Horticultural Society Meeting; a long list of sweepstakes and first prizes at the New England Fruit Show in Boston; also first prize at the Ohio State Fair.

Write for full information and Booklets, "Orchard Dividends" and Modern Methods of Harvesting, Grading, and Packing Apples."

Both Free

B. G. PRATT CO., Mfg. Chemists, 50 Church St., New York City

Southern Nurserymen's Association

By A. J. Smith, Secretary, Knoxville, Tenn.

FOLLOWING is the official program of the thirteenth annual meeting of the Southern Nurserymen's Association, at Greensboro, N. C., August 23, 24, 25, 1911:

Officers—W. A. Easterly, President, Cleveland, Tenn.; Aubrey Frink, Vice-President, Winchester, Tenn.; A. I. Smith, Secretary-Treasurer, Knoxville, Tenn.

Historical—The Southern Nurserymen's Association was organized in Chattanooga, Tenn., thirteen years ago, by a few energetic Nurserymen, and has never missed an annual session. Its annual meetings have been held in various cities throughout the South. The object of this Association is to bring together the Nurserymen of the South for a discussion of all questions of interest to Southern Nurserymen, and the trade at large, to exchange ideas, learn from each other what we can and help to solve the knotty problems which confront us all. This Association has accomplished much good for the Southern Nurserymen, and it is the earnest wish of its officers that its usefulness will increase with age. The State Entomologists interested in the work of this Association are invited to meet with us and take part in the discussions. Short practical talks by practical men, and open and free discussions of all topics of general interest characterize these meetings. We have no stenographer and print no minutes.

Wednesday, August 23d, 9:30 a. m.

Invocation—Rev. E. K. McLarty, Greensboro, N. C.

The Monroe Nursery
I. E. Ilgenfritz' Sons Co.
MONROE, MICH.



Over
Sixty Years
in the
Business
—
Offer a
General
Line of

CHOICE
NURSERY
STOCK
Cherry and Std. Pear

of extra quality. If you are in the market for superior trees write us for prices.

I. E. ILGENFRITZ' SONS CO.
MONROE, MICH.

Manufacturers of the Celebrated Ilgenfritz
Graft and Stock Planter
and Firmer.

3000 Standard Bartlett Pears No. 1
Two Year.

A good assortment of other kinds.
W. B. COLE, Painesville, O.

Address of Welcome—Thos. J. Murphy, Mayor of Greensboro; R. C. Hood, President of Chamber of Commerce.

Response—J. C. Hale, Winchester, Tenn.
President's Address—W. A. Easterly, Cleveland, Tenn.

The Pecan and Its Possibilities—C. F. Barber, Macclenny, Fla.

Fraternity Among Nurserymen—Chas. T. Smith, Concord, Ga.

Wednesday 2 p. m.

How May Southern Nurserymen Increase the demand for Ornamental Stock of all Kinds?—R. C. Berckmans, Augusta, Ga.

Address—Prof. W. N. Hutt, State Entomologist, Raleigh, N. C.

Report of the Secretary-Treasurer.

Appointing of Committees.

Adjourn at 4:00 p. m. to witness game at ball park between Carolina League-Leaders, Winston-Salem and Greensboro, followed by a car ride over the city.

Wednesday 8 p. m.

Meeting of the Southern Nurserymen's Protective Association.

Thursday, 9:30 a. m.

The Advantages of Fall Planting of Fruit Trees and Plants in the South—W. F. Heikes, Huntsville, Ala.

Need of Uniform Prices on the Same Kinds and Grades of Trees—Harry Nicholson, Winchester, Tenn.

Address—Prof. E. R. Lake, Washington, D. C.

Assistant Pomologist, U. S. Department of Agriculture.

Preparation and Fertilization of Our Soils—John A. Young, Greensboro, N. C.

Thursday, 2 p. m.

There will be an automobile ride, first to John A. Young's place to see his nursery and Shetland ponies, thence to Pomona to visit the J. Van Lindley Nursery, returning to Greensboro for supper.

Thursday, 8 p. m.

Better Prices for Our Trees—J. C. Miller, Rome, Ga.

Packing—W. T. Hood, Richmond, Va.
Apple Growing in the Mountains—O. Joe Howard, Pomona, N. C.

Friday, 9:30 a. m.

Report of Committees.
Revising Plate Books to Suit Territory—J. Marvin Miller, Winchester, Tenn.

B. Chase, Huntsville, Ala.
General discussion of questions remaining in question box.

Nursery Problems of the Future—Henry Question Box

Which are the two most profitable peaches ripening before Carmen, for planting by commercial orchardists?

Which are the two most profitable early apples ripening before Red Astrachan?

Why are we failing to grow plum?

Reports and suggestions concerning the labor question.

Should landscape architects be entitled to trade rates?

Do we, as Nurserymen, protect prices as they should be, and are not some too indiscriminate in making prices with a view of making sales?

Mayflower Peach, did it withstand the freeze Spring 1910 as well as other early peaches?

Report of range of general productiveness of Mayflower peach.

Arp Beauty Peach, is it recommended for commercial planting outside of Texas?

What can you say about Aphelon apple?

Do we propagate too many varieties?

Should retail Nurserymen encourage the sale of one-year apple?

Do we, as Nurserymen, encourage the development of the great Appalachian Apple growing region as we should?

Meetings of the Association will be in Assembly Hall, on the fifth floor of McAdoo building.

Gullford Hotel, opposite McAdoo Building, on Elm Street, will be Association Headquarters. They quote rates, American plan,

per day—\$2.50 and \$3.00, without both; \$3.50 with bath.

Clegg Hotel, European plan, opposite depot, quotes rates at \$1.00 and \$1.50 per day.

It is desired to make the exhibits a feature of our meeting. Nurserymen and dealers in nursery implements are requested to contribute to this feature.

Nurserymen, fruit growers, and entomologists are urged to attend and make this the greatest meeting in the history of the Association.

Niagara County, New York, leads the state and the United States in the production of apples. The census of 1900 credited the county with \$1,078,000 worth of orchard fruits out of a total of \$10,000,000 in the entire state. Ten years ago Niagara raised 1,421,000 bushels of apples, and that amount has increased at least forty per cent. in the decade.

It has been my uniform experience that Nurserymen want rigid inspection and that they have little patience or respect for things which do not mean what they say. The certificate of inspection is not a commodity to facilitate business but the outward expression of a standard which every true Nurseryman endeavors to maintain. If this be not so, then it should be evident that each state in its own interest must assume the responsibility for this standard. —Prof. S. J. Hunter.

ROSES

Several thousand—General Jack, J. H. Laing Paul Neyron, Tom Wood, M. P. Wilder, Magna Charta; other sorts W. B. COLE, Painesville, O.

J. H. SKINNER & CO.

Fruit, Shade and Ornamental Trees, Flowering Shrubs, Apple and Pear Seedlings, Forest Tree Seedlings

Sta. "A" TOPEKA KAN.

P. O. Box 481 PEACH SEED Phone 4382 St. Paul

W. W. WITTMAN & CO., Baltimore, Md.

Surplus Sale of removal stock of some 2000 bu. Va. Natural Peach Seed at 50 per cent reduction. Special inducements on car lots.

BUDS—Apple, Cherry, Peach, Pear, Plum, etc., ready to ship July 1st. Our growing stock is very promising. Prices lower now than later. Big lot of scions to offer. Write for prices.

JOHN A. CANNEDY NUR. AND ORCHARD CO. Carrollton, Ill.

Pacific Coast Nursery Grades

THE FOLLOWING grades of nursery trees are adopted by the Pacific Coast Association of Nurserymen:

- A No. 1—Extra heavy.
No. 1—Extra Heavy to measure not less than 4 ft. and to caliper $\frac{3}{4}$ inch and up.
No. 1—Trees to measure from 4 ft. up in height and caliper $\frac{1}{2}$ to $\frac{3}{4}$ inch.
No. 1—Light, to measure 4 ft. and up in height and caliper 7-16 inch diameter.
No. 2—To measure from 3 to 4 ft. high, caliper $\frac{3}{4}$ inch and up.
No. 2—Light—To measure from 3 to 4 ft. in height and caliper 5-16 to $\frac{3}{4}$ inch.
No. 3—To measure from 2 to 3 ft. in height, irrespective of caliper. Measurements of height to be made from top of scion in grafted stock; from the bud in budded stock, and from the point cut back to, in cut backs.

Caliper to be measured two inches above the point from which measurement of height is made.

Western Classification Meeting

Editor AMERICAN FRUITS:

Have just returned from the Western Classification meeting at Milwaukee. The Western Classification had intended to insert the word "Prepaid" in classification after nursery stock instead of Prepaid or Guaranteed. Also change all kind of tree seed, excepting peach, to first instead of third class.

Spent about ten or twelve days working with the Committee, also the Uniform Committee who were there and have every assurance that the old conditions will continue.

CHARLES SIZEMORE.

Louisiana, Mo.

Florida's crops of oranges and grape-fruit is estimated at 5,000,000 boxes.

McIntosh Red

Of the McIntosh Red

A good deal has been said;

But the half has never been told.

The McIntosh rare
Is surpassingly fair;

It gives health and brings wealth of rich gold.

It's the real apple king

And its praises we sing.

Because we have faith in this fruit.

And also we know

That nowhere does it grow

As it does in the fair Bitter Root.

—Harry S. Osgood.

Obituary

William N. Irwin

The late William N. Irwin, who departed this life in Washington, D. C., June 22, 1911, was born near South Salem, Ohio, May 21, 1844. His boyhood and youth were spent in Ohio, near the place of his birth. Soon after his marriage, December 15, 1868, to Miss Ella N. Rowand, who with four children survive him, he removed to Eastern Kansas, where he engaged in farming and related pursuits for the succeeding twelve years. About 1880, he returned with his family to his old home in Ohio where he engaged in fruit growing and nursery work. This occupied his attention until 1891, when he was appointed to a position in the Division of Pomology (subsequently merged into the Bureau of Plant Industry) in the U. S. Department of Agriculture. Here he continued actively engaged until a few days before his death.

In his Department work, Mr. Irwin exhibited high efficiency. As a judge of varieties, he had a wide acquaintance with fruits and possessed and developed a delicacy and discrimination of taste and of descriptive

power which rendered his unusually expert in the identification and description of rare and little known varieties. In work of this character, the efficiency of the individual depends largely upon his ability to acquire through observation and test such complete and accurate knowledge of varieties as renders their recognition possible, even where printed descriptions or illustrations fail to indicate their distinguishing characteristics. This ability Mr. Irwin possessed in an exceptional degree. Coupled as it was in him with a friendly and cordial disposition, it rendered him a most valuable co-worker in the pomological force of the Department. His opinions and advice were steadily sought and highly prized, both by his associates and the general public.

In a time when the commercial temptation to sacrifice dessert quality in fruits to the more showy characteristics of large size and brilliant color, Mr. Irwin stood steadily and consistently for high quality as the most important character in determining whether or not the dissemination of a new sort could be encouraged. He was quick to discover the good that often resides under uncouth or unpromising exteriors and equally prompt to commend it when found, whether in fruits or in men.

His influence in this respect upon the younger men associated with him, both in the Department and in the national and state horticultural societies of which he was an active member, has been far reaching and strongly beneficial.

As an expert judge of fruits, he was frequently called upon to judge exhibits made at national and state competitions, including the St. Louis Exposition in 1904.

Just say you saw it in AMERICAN FRUITS.

WE OFFER THE WHOLESALE TRADE FOR EARLY FALL DELIVERY

Cherry, 1 inch up, 3-4 to 1 inch, 5-8 to 3-4 inch, and all under grades. Our surplus of 75,000 Cherry are first class in every particular.

Apple, 5-8 to 3-4 inch, and all under grades. 100,000 surplus Apple that are making up good.

Peach, Plum, Apricot, Almond, one year, mostly heavy grades.

Pear, all grades, large surplus.

One Hundred Thousand 2-year heavy California Privet. Special quotations in 50,000 lots. If in the market let us quote you.

Want 200 bushels of peach seed

WAXAHACHIE NURSERY COMPANY

J. R. Mayhew, Pres.,

Waxahachie, Texas.

The Best Tree Digger on Earth



Write for Descriptive Circular and Prices

STARK BROS.

Nurseries and Orchards Companies

LOUISIANA MO.

PLANS FOR STANDARDIZATION

Question of Uniform Grades Has Been Before American Association of Nurserymen Many Times---Western Association the Pioneer in Adopting the System of Grades---Their Schedule Lived Up to Pretty Closely---Present Differences are on Peach, One-Year Plum and Apricot---Uniformity Practicable and Readily Obtainable.

BY E. P. BERNARDIN, PARSONS, KAS.

THE QUESTION of uniform grades is one that has been before this Association many times and as yet nothing has been done in the way of even an expression on the subject. That some action should be taken by this Association along this line, there is no question and there is no better time to do so than at this meeting.

The Western Association of Nurserymen, were the pioneers in this line and in December, 1906, adopted the following grades. "All grades of trees shall be of fair shape, branched, well rooted, Caliper to govern and measurements taken two inches from the crown or bud, of the following grades."

Apple $\frac{3}{4}$ and up 5 ft and up.
 $\frac{3}{8}$ $\frac{3}{4}$ inch, 4 ft and up.
 $\frac{1}{2}$ $\frac{3}{4}$ inch, 3 ft.
 $\frac{3}{8}$ $\frac{1}{2}$ inch, 3-4 ft, whips included.
 Cherry 1-1 $\frac{1}{4}$ inch, 5-7 ft.
 $\frac{3}{4}$ -1 inch, 4 $\frac{1}{2}$ ft and up.
 $\frac{5}{8}$ - $\frac{3}{4}$ inch, 4 ft and up.
 $\frac{1}{2}$ - $\frac{3}{4}$ inch, 3 ft and up.
 $\frac{3}{8}$ - $\frac{1}{2}$ inch, 2 $\frac{1}{2}$ ft. and up.
 Plum 1-1 $\frac{1}{4}$ inch, 5-7 ft and up.
 $\frac{3}{4}$ -1 inch, 5 ft and up.
 $\frac{5}{8}$ - $\frac{3}{4}$ inch, 4 ft and up.
 $\frac{1}{2}$ - $\frac{3}{4}$ inch, 3 ft and up.
 $\frac{3}{8}$ - $\frac{1}{2}$ inch, 3 ft and up.
 Peach $\frac{3}{4}$ -1 inch, 5-7 ft and up.
 $\frac{5}{8}$ - $\frac{3}{4}$ inch, 5 ft and up.
 $\frac{1}{2}$ - $\frac{3}{4}$ inch, 4 ft and up.
 $\frac{3}{8}$ - $\frac{1}{2}$ inch, 3 ft and up.
 Under $\frac{3}{4}$, 2 ft and up
 Std Pear 1-1 $\frac{1}{4}$ inch, 5-7 ft.
 $\frac{3}{4}$ -1 inch, 5 ft and up.
 $\frac{5}{8}$ - $\frac{3}{4}$ inch, 4 ft and up.
 $\frac{1}{2}$ - $\frac{3}{4}$ inch, 3 $\frac{1}{2}$ ft and up.
 $\frac{3}{8}$ - $\frac{1}{2}$ inch, 3 ft and up.
 Dwarf Pear $\frac{3}{4}$ -1 inch, 3 $\frac{1}{2}$ ft and up.
 $\frac{5}{8}$ - $\frac{3}{4}$ inch, 3 ft and up.
 $\frac{1}{2}$ - $\frac{3}{4}$ inch, 2 $\frac{1}{2}$ ft. and up.
 $\frac{3}{8}$ - $\frac{1}{2}$ inch, 2 $\frac{1}{2}$ ft. and up.

"Some exceptions to the above may be made on such varieties as are known to the trade to be light growers."

These grades were not adopted without some opposition on the part of the peach growers as the sixteenth men were in evidence. I think you will find however, that these grades have been lived up to by them very closely since that time, with the exception of peach trees, and these have been graded mostly to comply with the eastern and southern custom. Once or twice when two year apple were very scarce and quite high in price, they have fudged a little and cut the first grade a sixteenth. The eastern fellows, have been equally guilty in cutting a sixteenth once or twice on plum and pear under similar conditions.

These little differences once in a while, cut no figure and especially so when specified in the trade lists, but the aim of uniform grades is to get every one to grade by both caliper and height, so that when one sees apple 5-6 ft. priced, or even number one, he knows that if he buys from the list that he will get $\frac{3}{4}$ and up trees, and not from the size of a lead pencil to the size of ones wrist, simply because they have attained the required height. The most of our nurserymen are now grading by both height and caliper, and every one must do it, if they would retain the better trade and meet competition. With the slight difference in the system of grading as now done by the east, south, north and west, we should have no trouble in agreeing upon a uniform standard, adopt it and then all live up to it. The present system of grading two year, apple, cherry, pear and plum is practically the same every where. The only difference is on peach, one year plum and apricot. Those that grow the heavier peach, can and should be willing to cut the grade a little as it will give them more number one.

Now in order to get this question properly before this Association and to promote its discussion and at least get some action, Mr. President, I make the following motion:

"That this Association adopt for its standard grades, the following on fruit trees:"

Apple $\frac{3}{4}$ and up, 5-6 ft.
 $\frac{5}{8}$ - $\frac{3}{4}$, 4-6 ft.
 $\frac{1}{2}$ - $\frac{5}{8}$, 4-5 ft.
 $\frac{3}{8}$ - $\frac{1}{2}$, 3-4 ft.
 Cherry $\frac{3}{4}$ and up, 4 $\frac{1}{2}$ -6 ft.
 $\frac{5}{8}$ - $\frac{3}{4}$, 4-5 ft.
 $\frac{1}{2}$ - $\frac{5}{8}$, 3-4 ft.
 $\frac{3}{8}$ - $\frac{1}{2}$, 2-3 ft.
 Plum, 2 yr $\frac{3}{4}$ and up, 5-6 ft.
 $\frac{5}{8}$ - $\frac{3}{4}$, 4 $\frac{1}{2}$ -6 ft.
 $\frac{1}{2}$ - $\frac{5}{8}$, 4-5 ft.
 $\frac{3}{8}$ - $\frac{1}{2}$, 3-4 ft.
 Plum, 1 year 11-16 and up, 5 to 6 ft.
 9-16 to 11-16, 4 to 5 ft.
 7-16 9-16, 3 to 4 ft.
 Peach 11-16 and up, 5 to 6 ft.
 9-16 to 11-16, 4 to 6 ft.
 7-16 to 9-16, 3 $\frac{1}{2}$ to 5 ft.
 5-16 to 7-16, 3 to 4 ft.
 Apricot 11-16 and up, 5 to 6 ft.
 9-16 to 11-16, 4 to 5 ft.
 7-16 to 9-16, 3 to 4 ft.
 Standard Pear $\frac{3}{4}$ and up, 5 to 6 ft.
 $\frac{5}{8}$ - $\frac{3}{4}$, 4 to 6 ft.
 $\frac{1}{2}$ - $\frac{5}{8}$, 4 to 5 ft.
 $\frac{3}{8}$ - $\frac{1}{2}$, 3 to 4 ft.
 Dwarf Pear $\frac{3}{4}$ and up, 3 $\frac{1}{2}$ to 5 ft.
 $\frac{5}{8}$ - $\frac{3}{4}$, 3 to 4 ft.
 $\frac{1}{2}$ - $\frac{5}{8}$, 2 $\frac{1}{2}$ to 3 ft.
 $\frac{3}{8}$ - $\frac{1}{2}$, 2 to 3 ft.

All grades of trees shall be of fair shape, branched, well rooted, caliper to govern and measurements taken two inches from the crown or bud. Some exceptions to the grades named may be made on such varieties as are known to the trade to be light growers, but such exceptions should be so stated in all trade lists as issued.

And that it is the sense and request of this Association, that all members in getting out trade or surplus lists, shall list their fruit trees as graded above. Further that action on this motion be section by section, and that we treat each variety of fruit as a section.

Propose Tented Trees to Defeat Frost

GRAND JUNCTION, Colo.—An orchard with every tree enclosed in a tent would look queer, but that is the logical method of saving fruit, according to A. H. Thiessen, section director of the weather bureau, with headquarters in Salt Lake City.

Thiessen has been in the Grand valley several days investigating the results of last season's successful smudging and also getting opinions on his new theory for saving fruit crops. He has two schemes, either of which, he believes would be successful, provided that cost would not be prohibitive. One plan contemplates the retarding of the trees to prevent blossoming until the danger from spring frosts had passed.

"Ordinarily," said Prof. Thiessen, "the Grand Valley does not need to worry about the late spring frosts, but is in danger from the early spring freezes. If the buds could be held back until that danger period is over, your fruit crops could be insured every year."

Professor Thiessen proposes to tie back the limbs of the trees and then place a hood of canvas or other material over each tree. This would keep the sunlight away and would prevent blossoming.

The second method of saving crops also provides for a hood or tent over each tree.

This could be done on short notice if the hoods were ready, and when the weather bureau sends out a warning. Then, if the mercury should drop below the freezing point, a lantern or lamp could be lighted and the tent would hold all the heat for the tree; or a small smudge pot could supply the heat.

The main difficulty is that the heat cannot be retained in the orchard, and although the temperature is raised from ten to twenty degrees, a sudden cold wind may lower it.

The ideas suggested by Professor Thiessen are being given serious consideration by the orchardists, but it is doubtful if the plan will be adopted because of the enormous expense.

To Inspect Mexican Nurseries

Austin, Texas.—Henry C. Stiles, formerly of Raymondville, but now located at Coahuila, Mexico, has been engaged by the state department of agriculture to inspect the nursery stock of the Mexican nurserymen and florists who desire to do business in Texas.

Special efforts are being made to prevent the introduction of the orange maggot, which is Mexico's worst enemy to the orange industry. Mr. Stiles is a thoroughly posted entomologist, being engaged as horticultural representative of the governor of Coahuila at the present time.

Brigham City, Utah—At the annual meeting of the Utah Horticultural Association it was decided to increase the acreage of orchards, while to maintain the highest possible standards for Utah fruits received a fresh impetus. Among the speakers were Ras Rasmussen, of Logan; C. M. Clay, of Ogden; James G. Duffin, of Provo; Prof. Leon Batchelor, of the experiment station at Logan. The next meeting will be held in 1912 at Provo. The following officers were elected: President, Joseph E. Wright, Ogden; vice-president, Hugh J. Cannon, Salt Lake; secretary and treasurer, J. Edward Taylor, Salt Lake; executive committee Joseph E. Wright, Ogden, L. A. Ball, Ogden; Moroni Mortensen, Bear River City; R. W. Brereton, Provo; J. Edward Taylor, Salt Lake.

F. S. White, Frisco agricultural and horticultural commissioner, is preparing a booklet on apple culture, which he will distribute over the entire system in a few weeks.

A school of horticulture for women, which was established by the State of Pennsylvania a few months ago, is already filled to overflowing and has a large waiting list.

OF GRADES OF NURSERY STOCK

Experiments of Half a Century in Matter of Uniform Measurements---Testimony of Man Who Invented the Nursery Caliper---First to Print Grade Count in Price Lists---Now Adopted by Leading Nurserymen---Aids in Determining Condition of Trade by Showing Number, Grades and Varieties of Trees on Market.

BY W. F. HEIKES, HUNTSVILLE, ALA.

I HAVE BEEN asked by the committee on the program to give the association an expression of my views upon the subject of the "Standardization of Grades."

As it is somewhat difficult for me to speak on this subject, with which I have had so much to do the past fifty years, without bringing in my personal experience, I trust I may be pardoned for any seeming egotism. The importance of having a fixed rule for determining the sizes of the trees and plants grown for sale by nurserymen has long been recognized, as any one may see by consulting the various catalogues and price lists issued by them for many years past. It will be apparent that the grading by different nurserymen as shown in their price lists does not follow a fixed standard.

Governed by my experience, I would recommend making six to eight grades in the leading kinds of fruit trees, as a rule allowing only the difference of a sixteenth of an inch in caliber between the grades. This would more especially meet the needs of the wholesale growers. It is desirable that the particular point on the trees and plant where the caliber is taken should be definitely established, and that the character of the tree and plant belonging to each grade be more accurately described than is now customary.

I believe it would be possible through the influence of this Association to bring about an agreement among nurserymen to adopt a more uniform description by grades than that in vogue, one that would simplify matters and prevent much of the confusion and misunderstanding likely to occur between the buyer and seller as long as the present lack in uniformity of grading exists.

The following story may be of interest to you as it explains how the privilege happened to come to me of being the first nurseryman to apply a caliper to a tree in order to learn the grade to which it belonged.

At the age of 20 I was admitted by my father as a partner in his nursery business at Dayton, Ohio, the name of the new firm being Jacob Heikes & Son. At that time,

and in later years, we were large buyers of standard and dwarf pears and every Fall I was delegated to go "Down East" to buy. It would be difficult for you to imagine, under the trade regulations existing today, the difficulties which in those days an unsophisticated young man from the West encountered when trying to deal with the older nurserymen at Rochester, Geneva, Syracuse, Lockport and Dansville. No standard of grading had been established, and "First Class" and "No. 1" were very indefinite terms.

I had a predilection for buying of a certain firm, consisting of three partners. The eldest would sell me the trees in the most charming, gentlemanly way, all to be first class; the next in age was the digger and packer, who would, in the most smiling manner, dig with the utmost exactness, before my eyes, a size smaller than I had expected, but, mind you, without any wrong intent. The youngest member of the firm was the treasurer and collector. He never smiled and never shaded the prices made by the seller. My high respect and admiration for the men composing this firm has always remained a pleasing memory of bygone days and had a standard of grades been then in use I should not have been tempted to relate this incident in connection with this subject.

I began to realize that as a matter of necessity I was obliged to adopt some plan to secure the exact grade of trees wanted at a specified price. It soon occurred to me that the caliper and age of the tree should be stated and agreed upon in making my purchases. The next step was to find a caliper with which to make the measurements. It was found that the ordinary caliper used by mechanics answered the purposes fairly well, but desiring a more suitable instrument I designed later the first nurserymen's caliper, which proved to be quite satisfactory and which to this day, along with others more recently introduced, meets every requirement.

Seeing the great advantage of following a rule in grading, it gradually dawned upon me that a further advantage might be gained in printing prices by grade in our price list, and we later also took the lead in printing the grade count in our Fall and Spring price lists, showing the number of each variety by grade and quoting at the same time the price for each grade.

This innovation has evidently become quite popular as it has been adopted by many of the leading nurserymen. It has proven a great saving of time and correspondence, and facilitates the bringing together of buyer and seller. This plan also aids in determining the condition of the trade by showing the number, grades and varieties of trees upon the market.

A further improvement can be made in this plan by nurserymen being more exact in giving the numbers of trees and issuing their price lists oftener, and, I might add, by printing more uniform prices.

At the close of the reading of Mr. Heikes' paper, Mr. Bernardin of Parsons, Kan., moved that a committee be appointed to present a report upon standardization of grades, to be presented at the next meeting. "We have had such a motion under consideration once or twice before," said Mr. Bernardin, "but nothing ever came of it. I would suggest that the reading of my paper on the subject be omitted and that it go in the proceedings. This will save time now." This action was approved.

President Stark appointed as the committee provided for in Mr. Bernardin's resolution: Messrs. Bernardin, Heikes and Maloney.

Mr. Wedge: "This is an important move. I suggest that the report of this committee be published a month before the next meeting so that the members may have opportunity to consider it in advance of the sessions in Boston and be thereby the better enabled to discuss it intelligently. I move that the report be published in the nursery trade papers." Carried.

No Romance in Present Day Orchards

Song and sentiment have from time out of mind associated apple orchards with spreading branches and shaded grass plots with piles of tempting fruit on the ground and nimble boys up the trees picking the yellow beauties. All that must go, along with the old oaken bucket raised by a sweep, the long-handled gourd at the spring and the milk crocks cooling in the "spring house."

The up-to-date orchard is now a scientific business proposition and not a trysting place for lovers or a foundation for poetic numbers.

A writer for the Outlook recently visited the famous apple growing region of Hood River, Ore., and thus compares modern with former orcharding.

"It is with reluctance that the Spectator merges his remembrance of the old-time apple orchards into those of his present vision. In place of the wide-spreading tree, with its gnarled, low-lying branches, the Spectator sees an upright, dapper little tree, with but scanty shade for the lounge beneath it, were he inclined to stretch himself upon the ground.

No Quiet Restfulness

The Spectator looks for the carpet of green grass which covered the orchard of his childhood, and sees only the bare earth. No quiet restfulness about these orchards;

no chance for one to hide himself in a lofty perch above or lie on the grass below and dream the time away while watching the fleeting shadows from his resting place. Here all is ceaseless activity and untiring industry; the only dreaming done relates to the size of the apple crop or the new house or automobile to which the proceeds may be applied.

The Spectator must also renounce his vision of the piles of apples on the ground as well as the classified apple bins in the cellar, nor can he see the well filled barrels waiting to be carried from orchard to store. Commodious apple houses are a necessary adjunct of all farms here, and there the fruit is stored, graded and packed for transportation.

The spirit of the Apple Show is the spirit which builds great cities, stimulates business unites the people of a vast empire by a common bond and sets nothing short of perfection as the goal to be attained in the work of expanding and developing a great territory.

Dropped Apples Discarded

When investigating the apple house of his host, the Spectator was so unfortunate as to ask if that was the place where the apples were dumped. 'Dumped!' the irate host ex-

claimed; 'our apples are never dumped; they are brought in boxes from the orchard, and if a picker or packer happens to drop one to the floor or ground, that apple is cast out as 'dead fruit' and 'unsalable.' He then explained that the apples are sorted into kinds and sizes the Spitzenburg and Jonathan being the 'commercial apples.' There are four sizes of apples, running from fifty-four to one hundred and twenty-eight in a box, the same number of a certain size being in each box.

Special Fruit Train

Grand Junction, Colo.—A special fruit train, having precedence of all other trains on the Denver & Rio Grande railroad, will leave here at 8 a. m. daily during August and September, to handle the fruit crop.

There is always an overproduction of poor quality fruit, but there never has been an overproduction of the highest quality and there never will be an overproduction of it.

AMERICAN FRUITS

An International Nursery and Fruit Trade Journal, circulating throughout the United States and Canada and in foreign countries

PUBLISHED BY

AMERICAN FRUITS PUB'G. CO.,

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RALPH T. OLCOTT, Manager

Chief International Publication of the Kind

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ROCHESTER, N. Y., AUG., 1911

WHAT THIS MAGAZINE STANDS FOR.

Clean chronicling of commercial news of the Nursery and Fruit Trade. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Co-operation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.

RECORD OF AMERICAN FRUITS

The orchards in this country contain more than 200,000,000 apple trees, 100,000,000 peach and nectarine trees, 30,000,000 plum and prune trees, 18,000,000 pear trees, 12,000,000 cherry trees and 10,000,000 trees of other species. These gave us about 200,000,000 bushels of fruit, which was worth \$85,000,000 in 1900.

Exports of fruit in 1901 were worth \$8,279,213. Last year they were worth \$23,023,586, an increase of 180 per cent. in nine years.

Berries to the amount of 600,000,000 or 700,000,000 bushels are consumed by the American public every year.

The United States sent \$1,847,000 worth of dried apples abroad in 1910.

Americans bought \$6,847,000 worth of bananas in 1901, and nearly twice as much in 1910.

AMERICAN NURSERIES

There are 2,300 commercial nurseries in the United States occupying 200,000 acres and valued at \$30,000,000 besides an investment of \$700,000 in improvements and the same amount in live stock. The value of the product of these nurseries is \$150,000,000 annually. The expenditures for labor each year is \$3,000,000. It is estimated that there are 550,000,000 trees in the orchards of the country and that there is invested in orchards \$800,000,000.

INDEPENDENT AND FEARLESS

AMERICAN FRUITS is not the official journal of any organization. It therefore makes no distinction in favor of any. It is untrammelled in its absolutely independent position and is the only publication of the kind.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every corner of the Continent.

It represents, as its name implies, the Fruits of American industry in one of the greatest callings,—Commercial Horticulture in all its phases of Nursery Stock, Orchard Planting and Distribution.

Opposition Spreading

In its issue of July 15 Horticulture joins "American Fruits" in urging active opposition to the Simmons bill. Horticulture says editorially, under the caption "What are you going to do about it?"

"We hope that the interests of the florists and ornamental horticulturists in the proposed national inspections laws and interstate quarantine will not fail of careful consideration at the coming S. A. F. convention in Baltimore. The Nurserymen's Association has been following up this matter with commendable persistency, through its hustling legislative committee of which Wm. Pitkin is chairman.

"We regret that the space at our disposal will not permit of our publishing the interesting report made by Mr. Pitkin at the recent convention of nurserymen at St. Louis. There is much in it that should have deep consideration by that section of the trade which Horticulture particularly reaches and some plan of action in co-operation with the Nurserymen's Association should be entered into by the S. A. F..

"The bill introduced by Representative Simmons of Niagara Falls and now in possession of the committee on Agriculture, to regulate the importation and interstate transportation of nursery stock and to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests, is only one of the many propositions, local and otherwise, in which the welfare of the horticultural interests is vitally affected.

"Field grown florists' stock, seeds of fruit and ornamental trees and shrubs, plants, cuttings, grafts, etc., etc., are all included in the provisions of these bills and, in the matter of interstate quarantine the florists have surely as much at stake as the nurserymen and their apathy under the circumstances seems incomprehensible.

"Get busy before it is too late."

"Overproduction"

It sounds superfluous to talk of overproduction of apples when small, gnarly tasteless apples are selling in groceries at the rate of three for ten cents and only a fair specimen commands five cents each. Yet the Spokane Review says:

It is feared by some that overproduction of apples is destined to occur in this country.

Authorities on growing apples believe that this fear is a myth of pessimists.

E. H. Shepard of the Hood River Apple Growers' union and Roy C. Brock cover the ground comprehensively in a discussion of the subject.

Fear of overproduction does not prevail among experienced growers of apples. It was not overproduction that caused some unsuccessful sales in the year now ending, but lack of proper facilities for handling the crop and the fact that the economizing consumer wanted cheap apples of small size, whereas the Pacific northwest had raised superior and expensive apples of large size.

There seems to be no possibility of an overproduction of apples. The problems that confront the American apple grower are those of scientific management of orchards, business methods of distribution and sale and the securing of new markets.

It is also superfluous to talk of seeking new markets when the old markets cannot procure a fair quality of apples at a fair price.

There is Room for All

The recent marked activity in orcharding east of the Mississippi river has not been overlooked by the apple growing states of the Northwest. Newspaper comment on the Eastern activity, as expressed in Washington and Oregon, has indicated a disposition to claim that the only climate, soil and general conditions for the most successful apple growing are in the northwestern states.

It is natural to boast of market achievement, and perhaps the Pacific coast state growers and the press of that part of the county may be excused for a certain amount of exuberance. But it is to be noted that the Eastern growers have freely admitted the success of northwestern methods and have simply declared that with orchards nearer the great markets and other conditions equal they ought at least to produce as good results.

"American Fruits" is for the interests of every section of the country. We believe that with apples selling at 5 and 7 cents apiece in the retail market there is ample room for all orchardists east and west, to develop fruit growing properties to the fullest extent with assurance that there will be a ready market for all the fruit that can be produced; provided only that it is produced and marketed with due regard to quality and condition.

It is for this reason that we deprecate such an article as the following from the Ellensburg, Wash., Record of March 18:

A Connecticut corporation is going to try to raise apples on a large scale, and has incorporated for one hundred thousand dollars. They have noted the Washington and Oregon apples and think they can make some like them among the stones of Connecticut. One lesson they are more than likely to learn is that it takes an arid climate to produce "wormless apples." Whenever it rains there the insect pests of the apple hold high revelry. It will be mighty discouraging to a Connecticut apple grower to discover that a night rain has washed off all the spraying material he worked so hard the afternoon before to put on his trees. And yet that very thing will take place, and all his labor will be lost. The northwest need have no fear of the New England apple for many years to come.

Not only in Connecticut but in many states in Central and Eastern United States will orchardists in the very near future prove the assertion that apples and other fruits of the highest quality—appearance and flavor—can be grown in large quantity and successfully marketed.

Let the orchardists of the Pacific coast states continue in their good work and let the orchardists of the Central and Eastern States persevere in their intention to develop their orchards as those of Washington, California, Oregon, Idaho and Montana are being developed. The public eagerly awaits the product of all these activities.

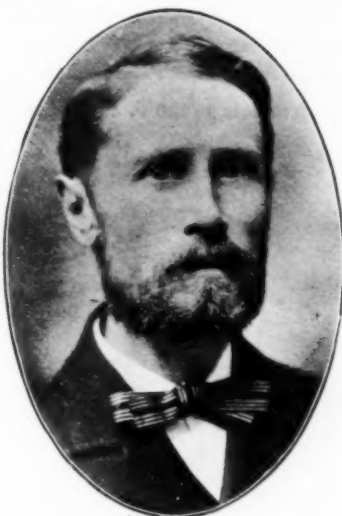
That the hardy catalpa is one of the best fence post trees that can be grown in Iowa, is the conclusion reached by the Iowa Experiment Station. Eighteen year old trees that have been properly cared for will yield from 2,000 to 2,500 posts to the acre.

The first car of oranges was shipped east from California in 1877. In 1885 about 1,000 cars were shipped; in 1895, 2,800 cars; in 1900, 4,000 cars, and in 1911 the shipments exceeded 40,000 cars. The boosters there promise to ship 75,000 carloads of oranges in the year 1915, and most of the oranges will ride more than 2,500 miles before they reach the consumer.

Men of the Hour--"American Fruits" Series



PROF. R. L. WORSHAM
Georgia State Entomologist



PROF. H. GARMAN
Kentucky State Entomologist
Courtesy Southern Fruit Grower



PROF. GORDON M. BENTLEY
Tennessee State Entomologist

Apple Culture in Western Montana

By A. J. Beitenstein, Missoula, Mont.

THERE IS NO phase of western farming that is attracting the attention of the east today as is fruit culture—and particularly the growing of apples. Missoula is favorably situated in a great apple-growing center, being the gateway and distributing point to four famous valleys—the celebrated Bitter Root valley, famed for the red apples; the Flathead Indian Reservation, on which 3,000 settlers with their families filed last year, breaking ground on heretofore virgin soil; the Frenchtown valley and the Plains valley, noted for the Northern Spy, Spitzenberg and Rome Beauty.

Missoula's suburbs abound in 5, 10 and 15 acre apple tracts, the main varieties grown being Red McIntosh, Wealthy, Wagoners and others. The eastern man, unacquainted with irrigation farming, need have no fear as to his ability to learn its simple methods. Fruit land in the vicinity of Missoula varies in price according to location and improvements. Irrigated lands in the near by famous valleys bring from \$150 to \$400 per acre for improved fruit land, while those near Missoula are a little cheaper. One can make a good living and pay for the cultivating and planting of the orchard by growing different kinds of garden truck and small fruits between the rows.

An apple orchard should yield from 500 to 1,000 boxes per acre and net at the lowest estimate \$1.00 per box which shows up a large profit.

The accounts of fabulous net profit from a single acre of mature orchard land in this western section of Montana were in earlier days scarcely believed by the eastern man. But the government irrigation projects, the many successful private irrigation companies and the Portland and Alaska-Yukon expositions, have within the recent past given wide publicity to the remarkable opportunities furnished by the apple industries in this favored land. The world is gradually awakening to the realization that enormous profits from fruit culture are confidently to be expected in this home of the Red Apple. There are no exceptions when orchards are set out on good land and properly cared for.

Because of its wonderful soil and favorable climatic condition this particular section presents the best yield of crops. The altitude insures long life and insures heavy bearing. This is without doubt the greatest fruit growing and orcharding opportunity in the great northwest today. To appreciate fully

ly the great yielding power of Montana apples, one must see an orchard at harvest time.

It is a noticeable fact that most of the prize winning apples at the nearby apple shows have been made by the ordinary rancher who took up scientific orcharding after his farm was bought, and gradually learned the practical side of cultivation, irrigation, pruning, etc.

The close proximity to market in Missoula, Butte, Anaconda and Helena adds to importance of apple growing as an industry, although by far the larger portion of the crops are sent to the markets of the east. Good soil, plenty of water, bright sunlight and intelligent attention makes a product which commands a market at home, east or west.

Practical Work in Pennsylvania.

The Division of Zoology of the Department of Agriculture, in charge of H. A. Surface, economic zoologist, on March 13, opened the spring campaign of instruction in the demonstration plots or "model orchards" of the state, of which there are 250.

An interesting feature of this work is the Model Orchard Plot. In each of the orchards where public meetings are held a section of trees is being cared for by the demonstrators to serve as a sample of the manner in which the entire orchard, and for the most part all other orchards in the vicinity, should be handled. The exercises at these meetings are informal, and all persons are invited to ask questions on subjects in which they are interested, and bring specimens of infected and diseased twigs for identification.

This work is different and distinct from the supervision orchard work which was carried on during the winter, when about 1,000 orchards were visited, and the treatment begun under the direction and personal assistance of the horticultural inspectors of the Division of Zoology.

I believe that we will all agree that just at this time it is unusually easy to find fault but constructive criticism is what we want. The Nurseryman and the Entomologist can be of mutual helpfulness. Such, however, can only be through mutual confidence and earnest co-operation.—Prof. S. J. Hunter.

35,000 Refrigerator Cars

Los Angeles, Cal.—"The refrigerator car has proved a great boon to the fruit growers of California," declared Gebhard Bohn, builder of refrigerator car equipment for the Harriman lines and other railroads. "There are now 24,000 cars used in the Pacific Coast fruit trade equipped with my system of refrigeration, and during the coming year at least 4000 cars additional will be so equipped."

Mr. Bohn is from St. Paul, Minn., where he owns two large plants for the manufacture of refrigerator equipment.

Mr. Bohn said that at present there were 35,000 cars on the Harriman lines, Northern Pacific, Canadian Pacific, Salt Lake Route and Santa Fe provided with refrigeration facilities for the transportation of fruit.

"Since the retirement of the private fruit concerns of the West," he said, "the railroads have made great strides in assuring perfect transportation eastward for all kinds of fruit, which now arrive at their destination in as good condition as when shipped. The fruit crop here is constantly increasing, but the refrigerator car service is keeping pace with it."

4,000,000 Cantaloupes a Week

Chicago—"Chicago eats 4,000,000 cantaloupes a week from July 1 to September 15," said a leading South Water street commission man recently, "and we have to begin making plans long before the frost is out of the ground in the spring to come anywhere near making the supply meet the demand except in seasons when the crop reaches bumper proportions. They are brought here from twenty states, coming in May and early June in single crates, then in carloads and later in trainloads.

"Cantaloupes of commerce have come to be nearly uniform in size and are crated as standards, primes and culls. Standards run about six inches in diameter and about forty-five of them nicely fill a crate."

Black Knot at Eaton Rapids

Eaton Rapids, Mich.—Black knot has been discovered in some of the fruit trees in this city and Mayor Littell has appointed H. J. Putman, T. A. Farrand and C. M. Hunt as fruit and orchard inspectors, and a thorough canvass will be made and all trees affected will be taken care of at once.

Position of the Merchant Nurseryman

Argument That an Established Nursery Business Making Large and Constant Purchases Though not Growing Stock, Is Entitled to Lowest Rates---Practice in Both Europe and America Is Cited---A. E. Robinson's Paper Quoted.

By Frederick W. Kelsey, President of the F. W. Kelsey Nursery Co. New York City

IN MR. A. E. Robinson's paper read at the recent meeting of the American Nurserymen's Association, much that is stated in reference to the use of catalogs, mailing lists, etc., will no doubt touch a responsive chord with the trade generally; as also the suggestion that trade catalogs, special prices, etc., should be sent only to those entitled to receive them.

Mr. Robinson's view, however, that no one excepting growers are entitled to the lowest prices and special prices under the present conditions of the nursery business, appears a little far-fetched, and, where followed by the trade, may—like the back firing action of the colored man's shot gun—produce directly the opposite effect from that desired.

True, if a florist, seedsman or dealer requiring but a limited amount of stock and that in great variety is placed upon the list of outer circle purchasers little harm can come individually or collectively to the trade, but that those with an established business, who are large and constant cash purchasers and prefer to merchandise rather than grow this material, or nurserymen who grow it in part and purchase the balance of their requirements, should be put in the same outer circle list we believe would be a wholly mistaken policy.

The responsible Merchant Nurseryman or concern, like the merchant in any staple article, converts what is produced into cash, and, not being in direct competition in the trade as a grower, may in many instances be entitled to receive and does receive, as does every successful merchant in every other line of business, as good or in many cases better terms than the manufacturers or producers furnish other competing manufacturers or producers; and that this principle applies and results obtain now quite



FREDERICK W. KELSEY
New York City

generally in this country and in Europe, and is mutually advantageous to the growers and trade generally, lies beyond question. These are fixed and growing conditions and and trade generally, lies beyond question. and in Europe, I find this to be the fact, and the numerous special quotations made by good and responsible growers those who would ignore them may sooner or later add to the size of the unsold and the brush pile.

From a somewhat intimate knowledge of the nursery situation both in this country and in Europe, I find this to be the fact, and to those large and responsible merchant nurserymen like this company, who are not growers themselves but handle nursery products largely for cash, indicates that there is a wide-spread view not in accord with Mr. Robinson's suggestion of classification in this respect.

Of course, every one must recognize that any one handling nursery material or other commercial material or products in large quantities is not only entitled to lowest prices or special prices but that this is of mutual advantage to the grower as well as the merchant.

We presume that Mr. Robinson is too wide-awake a nurseryman and tradesman himself not to recognize the growing importance of the nursery business on a mercantile basis, and that those engaged in the business in this way are bound to have and are entitled to have the best terms both as to rates and quality of stock.

WANTED

50,000 Apple and 50,000 Cherry Trees FOR FALL DELIVERY

Give full particulars about stock when quoting prices. Terms, cash

GIBRALTER NURSERIES

FISH CREEK,

WIS.

WOOD TREE LABELS

Plain, printed, painted, iron or copper-wired. Write for samples and prices.

**ALLEN-BAILEY COMPANY,
DANVILLE, N. Y.**

Keep These Dates Open

Southern Nurserymen's Association

—Thirteenth annual meeting at Greensboro, N. C., August 23-25, 1911.

A. I. Smith, Secy., Knoxville, Tenn.

Western Nurserymen's Association—

Twenty-second annual meeting at Coates House, Kansas City, Mo., Dec.

13-14, 1911. E. J. Holman, Secy., Leavenworth, Kan.

Constructive Criticism

It has been my uniform experience that nurserymen want rigid inspection and that they have little patience or respect for things that do not mean what they say. The certificate of inspection is not a commodity to facilitate business but the outward expression of a standard which every true nurseryman endeavors to maintain. If this be not so, then it should be evident that each state in its own interest must assume of his vocation and its responsibilities.—Prof. S. J. Hunter.

The total apple crop of the state for the year of 1910 is estimated at 750,000 bushels. The valuation placed on the Minnesota fruit crop for the year 1910 is \$25,000,000. This includes the berries and other smaller fruits.

A POINTER IN EVERY ITEM

There is a pointer for the progressive nurseryman in every item in AMERICAN FRUITS. Read every item in this issue and then decide whether you can afford to miss the regular perusal of AMERICAN FRUITS every month in the year. Your competitor is busy.

YOUR OPPORTUNITY

For \$1.00 We will send the American Fruits Pocket Directory of Nurserymen. Over 4,000 names and addresses.

For \$1.50 We will send AMERICAN FRUITS for one year to any address in the United States, Canada or Mexico.

For \$2.00 We will send AMERICAN FRUITS and Directory of Nurserymen with over 4,000 names and addresses.

For \$2.50 We will send AMERICAN FRUITS for Two Years to any address in this country.

For \$3.00 We will send AMERICAN FRUITS for Two Years and Directory of Nurserymen.

BINDER Attachment with Corn Harvester cuts and throws in piles on harvester or winrows. Man and horse cuts and shocks equal with a Corn Binder. Sold in every state. Price \$20 with Binder Attachment. S. C. MONTGOMERY, of Texaline, Tex., writes:—"The harvester has proven all you claim for it. With the assistance of one man cut and bound over 100 acres of Corn, Kafir Corn and Maize last year." Testimonials and catalog free showing pictures of harvester.

NEW PROCESS MFG. CO., SALINA KAS.

PEONIES

Those who saw the excellent condition of our Peonies at St. Louis, after the flowers had been in storage over 30 days, will have some idea of the care we take in growing the plants. We have an extensive assortment in addition to those exhibited.

Send want list for quotations

Price list on application

**WILD BROS. NURSERY CO.
SARCOXIE, MO.**

FRUIT TREE STOCKS

Shipments of 160 Millions

of Trees Annually

J. HEINS' SONS,

Halstenbek, No. 154

(Germany)

Write for Price List and Forest Planter's Guide to our American Agent Otto Heineken, Box 284, Hoboken, N. J.

Fruit Crop Prospects

A Benton Harbor, Mich., concern expects to turn out 100,000 apple barrels this year.

From seventy-five acres planted in strawberries near Thorsby, Ala., this year, a net profit of \$10,000 has been made.

Authentic reports on the apple crop, based upon conditions following the regular June drop of damaged apples, show that the crop in various sections of California will vary from 50 to 100 per cent., the average being nearly 75 per cent. of a full crop.

This is considerably better than the crop last year and will insure to fruit growers, from apples alone, an income of at least \$7,000,000 this year.

The month of June, 1911, witnessed a variety of extreme climatic conditions throughout the Eastern States that caused wide spread speculation as to the effect upon the apple crops in the whole territory east of the Mississippi river. A protracted drouth of unusually severe character was followed by reports of abnormal drop in nearly all sections, while the succeeding rainfall, also of general nature, now proves to have been correspondingly beneficial. The Eastern drop also develops to have been far less serious than anticipated.

Grape Roots That Grow

Increase in Acreage and Varieties

We make a specialty of growing Grape Roots. Making strong grades and prompt shipments. We have heavy stock for Nurserymen's retail trade. Light stock and cuttings for nursery row. Write for special prices. Correspondence and inspection of stock invited. We are growing a large lot of Currants and Gooseberries.

FOSTER & GRIFFITH, Fredonia, N.Y.

Just say you saw it in AMERICAN FRUITS.

WE OFFER

For the Fall Trade of 1911 Grape Vines, Currants and Gooseberries in all grades. Also Grape and Currant Cuttings and light grade of Vines for lining out in Nursery Rows

Write for Prices

F. E. Schifferli,

Fredonia, N. Y.

PEACH SEED

Our seed have been giving satisfaction to all customers in the past, and WE SOLICIT YOUR TRADE. Send for samples and prices.

Virginia Natural Peach Seed Co.

Fourth Ave., and Clinton St.,
BALTIMORE MD.

Wesley Greene, state horticulturist, reports that small fruits in Iowa suffered a decline in condition of 15 to 30 points during the July hot wave. A loss of 10 points is shown by the entire Iowa crop. The average condition of all fruit in the state, as shown by the report of Horticulturist Greene, is 55 per cent. In the June report the condition was given at 65 per cent and in May the fruit crop of the state averaged 78 per cent.

A general estimate of between 55 and 65 per cent. of last year's figures in the aggregate crops of Oregon, Washington and Idaho is conservative at this time.

Rogue River and Willamette Valley, Oregon, much shorter than in 1910. Hood River 50 to 60 per cent. of last year.

Yakima, Wash., now estimates 1000 cars against 3000 a year ago; Wenatchee and Columbia Valleys 100 per cent.; Spokane district spotted, some sections being very light.

Downer's Grove, Ill.—The A. B. Austin Nursery Co. has been incorporated, with a capital of \$6600. John C. Alden, F. Jason Littleford and Elijah Smith are incorporators.

The Ontario Horticultural Exhibition, which is held in Toronto every fall, is probably without exception the finest of its kind in America, says the Canadian Horticulturist. The Spokane Apple Show may rival it in extent and magnitude of the display of apples, because it devotes itself to the display of the apple alone; but for quality and variety of exhibits the Toronto Show stands alone.

Decorated in even grander style than for the celebration of the Nation's birthday, the celebration of the reign of King Bing and Queen Anne by the city of Salem, Oregon, was the great gala event of the year. Bunting in the colors of the Cherry Fair floated on the breeze from all important buildings along the line of march of the big parade. Most all of the autos in the city were decorated in honor of the event, and the city welcomed as its guests visitors from far and near who had heard of the wonderful cherries that are grown in the Willamette valley.

Readers who appreciate this magazine may give their friends in the trade the opportunity of seeing a copy. A specimen number of "American Fruits" will be sent to any address in any part of the world on application to the publisher.

ELLWANGER & BARRY Bldg.,
ROCHESTER, N. Y.

BUSINESS OPPORTUNITY

A stock interest will be sold and employment given to a young or middle-aged man in an established Nursery Company with a business of approximately \$22,000 to \$25,000 this year. Business will likely soon run \$30,000 or over. References required. Large nearby retail trade.

[Address "D," care American Fruits,
Rochester, N.Y.]

Exhibitions

Chemung Valley N. Y., Fruit Growers Association is to hold an exhibition in the fall at Elmira.

Gravenstein Apple Association will hold an exhibition at Sebastopol, Cal., in the fall.

An apple show for Denver the week of November 12, is assured. This announcement is made by the officers and board of directors of the American Apple Exposition Association.

A state fruit exhibit will probably be held in Hannibal, Mo., during the late fall, according to an announcement made recently by Col. Richard Dalton of Salverton, who was recently elected president of the Missouri Board of Horticulture.

The fact that Kentucky is developing into a fruit state will be demonstrated at the coming Kentucky State Fair. James A. Hillmeyer, of Lexington, who has been made superintendent of the horticultural department, is optimistic as to the prospects for Kentucky taking rank among other states known as fruit producers.

Michigan is to have its own great land and apple show this fall. It will be held in the Coliseum, Grand Rapids, the second week in November under the joint auspices of the Western Michigan Development Bureau and the Grand Rapids Evening Press, which have together assumed the responsibility of placing before the world the products and resources of this state as they have never been displayed before. Arthur W. Stace, Grand Rapids, will answer inquiries.

"Every nurseryman should charge a price sufficient to enable him to deliver stock of sterling quality."—Abner Hoopes.



The United States Nursery Co.

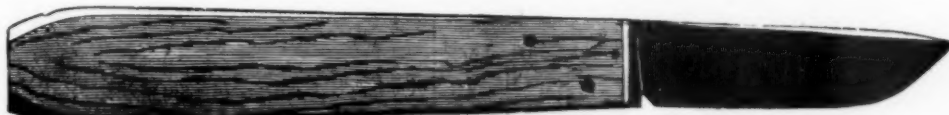
Roseacres, Coahoma County, Miss.

CATALPA SPECIOSA

Several thousand extra fine trees, 2 inches caliper.

W. B. COLE, Painesville, Ohio.

NURSERYMEN'S KNIVES



BUDDING KNIFE No. 94. Sample by mail, 6 for \$1.25.

Hand Forged.

Razor Steel.

Warranted.



PROPAGATING KNIFE No. 894—50c. Blade Closes. You have paid 75c for a much poorer knife.

92 Adams Street

MAHER & GROSH CO.

Nursery Pruner	-	80 cts.
Pocket Pruner	-	60 cts.
Pocket Budder	-	38 cts.
Pocket Grafter	-	40 cts.

WE SOLICIT DIRECT TRADE

Send for 12-Page Special
Nursery Catalogue.

Toledo, Ohio

In Nursery Rows and Commercial Orchards

Challenge to All Counties

Denver, Colo.—Delta county has issued a challenge to the entire country to meet her in competition at the coming apple exposition in the Denver Auditorium the week of November 13. A deposit of \$100 has been placed in bank as a forfeit, and under the terms of the challenge each county in any apple producing state which enters the contest must post a similar sum for the purchase of a trophy.

Heavy wind storm caused great damage in orchards last month, the per centage of pears, apples and peaches on the ground being 30 to 50. Clark Allis and others estimate that one-third of the Niagara County, N. Y. fruit crop was lost.

F. DELAUNAY ANGERS, FRANCE SPECIALTIES

Fruit tree stocks as:

Apple, Angers Quince,
Mazzard Cherry, Mahaleb
Myrobalan, Pear

Forest tree seedlings and transplanted
Evergreens, Ornamental Shrubs, Manetti,
Multifore Roses

My General Catalogue will be sent FREE
on application

36th YEAR

PAN HANDLE NURSERIES

FALL OF 1911

We offer a Complete Line of Nursery
Stock Consisting of

Apple, Pear, Plum, Cherry, Peach,
Grape, Currant, Gooseberry,
Small Fruits, Maple Norway,
Maple Schwedlerii, Maple Silver,
Poplar Carolina, Poplar Volga,
Elm American, Sycamore Oriental,
Sycamore American, Mountain Ash,
Box Alder, Althea, Hydrangea,
Barberries, Syringas, Weigellias,
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Ampelopsis, Roses, Evergreens,
California Privet, Buxus, Weeping Trees,
Catalpa Speciosa Seedlings,
Black Locust Seedlings, Fruit Tree Stocks,
Catalpa Speciosa Seed

Our stock is well grown and graded and
prices are such that it will pay you
to investigate. Come and
see us or write.

J. K. HENBY & SON

Greenfield, Ind.

Petition in Bankruptcy

Michael F. Toomey, proprietor of the Oak Hill Nurseries, at Roslinde, Mass., who filed a petition in bankruptcy June 8, has filed schedules in which he acknowledges debts aggregating \$41,538.57. His assets amount to \$7,469.12. Of the liabilities \$30,818.57 is unsecured and \$10,920 secured. Among the largest creditors are the United States Finance Co., which has a claim of \$4,000, secured by two mortgages on Franklin property; Robert H. Bean, \$3700 loan; Margaret E. Toomey, Geneva, N. Y., \$2000 loan; F. E. Watkins, \$2000 loan.

St. Paul, Minn.—The National Apple Show in all probability will not be held in St. Paul next December in conjunction with the land show under the auspices of the Northwest Development league.

Lexington, Mass.—The New England Nurseries of Bedford has leased the meadow farm lands in the vicinity of Monroe station, which is excellent location for the growing of nursery stock.

Loon Lake, Wash.—George W. Johnson, a nurseryman from Palouse, has purchased an irrigated tract here and will establish the Highland Nursery.

Des Moines, Ia.—The Perry Nursery Co. has been incorporated with a capital stock of \$10,000. The organizers are E. F. Edmondson, E. B. Wilson and Ralph Edmondson.

Shenandoah, Ia.—The Mt. Arbor Nursery Co. has built a new packing house 114 x 155 feet with 20 feet wall of brick.

Waxahchie, Tex.—The Southwestern Nursery Co. has decreased its capital stock from \$8000 to \$4000.

The Atwood Orchard and Nursery Company, Stuart, Va., has been incorporated with capital of \$50,000. H. C. Wysor, Dublin, Va., is president.

John Watson, secretary of the Jackson & Perkins Co., Newark, N. Y., is in Europe.

OUR FOREST TREE SEEDLINGS

Are as fine as can be grown. Let us mail or express you samples of the true Am. White Ash; Prunus Serotina (Northern Mahogany); Catalpa Speciosa; Am. Persimmon; Black Walnut; Am. Elm; Scarlet and Sugar Maple, etc., etc.

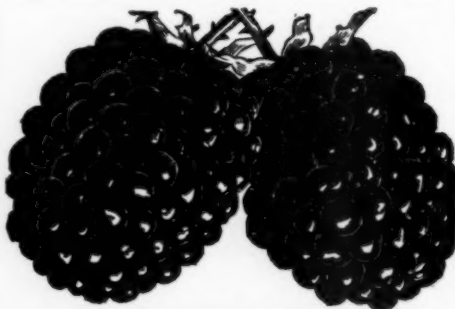
WE ALSO HAVE A STRONG LINE OF
ORNAMENTAL SHRUBBERY, SEED-
LING AND TRANSPLANTED EVER-
GREENS.

Send for Price List

J. JENKINS & SON

Winona, Columbiana Co.,

Ohio



EVERYTHING IN
Small Fruit Plants.

100,000 Transplanted Raspberry Plants.

ASK FOR PRICE LIST

W. N. Scarff,

New Carlisle, O.

THE AMERICAN ASSOCIATION

Membership in the American Association of Nurserymen is an asset in the business of the nurserymen who will study the proceedings; attend the conventions and take part in the discussions of practical trade topics. Write to Secretary John Hall, Granite building, Rochester, N. Y., today, if you are not a member.

"We all know that through our organization much has been accomplished; that there is a better understanding, more of a disposition to look at things with the other fellow's eye, a strong desire here and there to get together to put the nursery business on its proper plane. We have done many things; we can do many more."—J. H. Dayton.

W. T. HOOD & CO.

"OLD DOMINION NURSERIES"

RICHMOND, VA.

Offer for Fall Trade of 1911

Peach Trees, fine assortment

Pear Trees, 2 yr., unexcelled

Cherry, 2 yr., none better

California Privet, 1 yr., fine plants

Natural Peach Pits, crops 1909 and 1910

100,000 Peach Seedlings from beds for lining

General Line of Nursery Stock

Send Us Your Want List

JEWELL

Minnesota Grown

**NURSERY
STOCK**

Complete assortment of Fruit
and Ornamental stock in all va-
rieties suited to northern culture.
A specialty of Hardy Shade
Trees, Windbreak Stock, Ever-
greens (Coniferous), Deciduous
Shrubs, Apples and Native Plums

The Jewell Nursery Co.

Lake City, Minn.

Established 1868.

1500 Acres

The Round Table---In Common Council



Washington Fruit Crop

Editor AMERICAN FRUITS:

The June reports of the Washington fruit crop which have been received by the Horticultural Association show that there are splendid prospects for an abundance of apples throughout the State. The average size of the apple crop is estimated to be about twenty-five per cent less than last year. However, when we take into consideration that the apple crop last year was twenty-five per cent heavier than previous years, the crop this year will average up pretty well. On the whole the crop this year will net the growers profitable returns as the fruit will be of much better quality than last year's, owing to the fact that the trees are not heavily loaded which will eliminate the smaller or five tier grades.

While reports show a comparatively large peach crop, it must not be assumed that this year's crop will be as heavy as last year, the late frosts did considerable damage in the northern part of the state, the southern and southeastern part of the state fared better, the frost doing very little damage. The hardy varieties such as Elberta, Carmen and Champion, the leading market sorts, will produce very good crops, especially in the Walla Walla Valley.

All the way from seventy-five to ninety per cent of a full crop of strawberries was marketed in the northern and central part of the state, while in the southern part of the state where the bulk of the large plantings are located, the late rains did considerable damage, from this section about sixty-five per cent of a crop was marketed.

L. M. Brown, Sec'y.

Walla Walla, Wash.

P. SEBIRE & SON

Nurserymen, Ussy, Calvados, France

Offer a general assortment of Fruit Tree Stocks such as Apple, Pear, Myroblan, Plum, Mahaleb and Mazzard Cherry, Angers Quince, Small Evergreens, Forest Trees, Ornamental Shrubs, Roses, Etc. The largest stock in the country. Prices very low. Grading and packing the very best. Send for quotations before placing your orders. Catalogue free.

C. C. ABEL & CO.

Agents for United States and Canada

10-116 Broad Street, New York.

WOOD LABELS

The kind that gives satisfaction Can be supplied either plain or printed, with Iron or Copper wire attached in any quantity.

Our facilities for handling your requisite are unexcelled.

Samples and prices are at the command of a communication from you.

DAYTON FRUIT TREE LABEL CO.
DAYTON, OHIO.

SOME THINGS YOU OUGHT TO KNOW If You Are in the Nursery Business.

It goes without saying that you want to communicate with the Trade in the most direct and thoroughly effective manner, and at the least cost.

You know what it costs to print circulars, and pay the postage, and price for addressing and handling them.

You know that in most cases a circular is very short-lived—from three minutes to about eight hours—if it is even opened by the recipient.

A handsomely printed Nursery Trade Journal bristling with live news of the Trade on every page, and adjoining your business announcement therein, can carry your announcement to the Trade throughout the country in a form that will cause it to be presented for repeated reference—and at a cost much less than by the ineffective circular route.

Why in "American Fruits"—Ten Reasons

1. Largest circulation—reaching upwards of 4,000 nurserymen.

2. Publication and distribution from one to two weeks earlier than in any other similar journal.

3. Printed in three colors on enameled paper throughout; advertisements next to reading matter without extra cost.

4. The only independent Nursery Trade Journal—absolutely untrammelled—representing your individual interests equally with any other, preferring none.

5. The only publication giving the news of the Nursery Trade and private features that produce business. A business pointer in every item.

6. Its publishers have 28 years experience in journalism, covering every branch—they did not enter Nursery Trade Journalism as novices in the publishing business.

7. Its editor founded Nursery Trade Journalism in America, and has pointed the way daily from the start.

8. The manager of "American Fruits" is also manager of a Publicity Bureau which has for years prepared advertising matter for large commercial concerns. Advertisers in "American Fruits" get the benefit of this Bureau without additional cost.

9. American Fruits Publishing Company issues a Directory of Nurserymen, containing nearly 5,000 names and addresses; and thus is in direct touch with the entire trade.

10. Advertising rates in "American Fruits" are lowest and results are direct, especially when advertising in the journal is maintained for yearly term, changing copy as desired.

"No nurseryman can live to himself alone. Anything that hurts one firm hurts all; any method adopted by one or more that elevates the business and standing of one firm elevates them all."—J. H. Dayton.

25000 CUMBERLAND RASPBERRY

Fair stock of all kinds of small fruits.

W. B. COLE, Painesville, O.

Will have a good supply of Peach Buds

Also several car loads of Peach to offer for Fall shipment

THE GREENBRIER NURSERY CO., Inc,

GREENBRIER, TENN.

To Aid Iowa Orchardists

Glenwood, Ia.—Professor Laurenz Greene, representing the horticultural section of Ames College, has started on his work of investigating orchard methods in Mills county.

This county is the first one in Iowa to be investigated because it is the greatest apple growing county in the state.

The investigation, or "survey" as the Ames people put it, is to determine what methods of orcharding are most profitable; to determine what problems confront growers in the way of insects, diseases, soil management, pruning, marketing, etc., and thus better enable the experiment station to offer suggestions for the improvement of horticultural conditions, and to call the attention of Iowa people to the possibilities of orcharding in the state.

The Fairview Nurseries, Rochester, N. Y., have been incorporated with a capital stock of \$20,000. The incorporators are Edward B. Oliver, Rochester, George W. Oliver, Irondequoit, and Charles G. Schoener, Rochester.

"AMERICAN FRUITS" points with pride to its advertising columns. Not all those in the nursery and allied trades are therein represented, but the leading ones are; and we believe that every advertisement represents a reliable concern. We court confidential information to the contrary.

"AMERICAN FRUITS" will not accept advertisements that do not represent reliable concerns.

TEXAS NURSERY COMPANY SHERMAN, TEXAS

Offer for Fall and Winter 1911-12 a large and well assorted stock

Are especially strong on one-year Peach, two-year Pear and Apple, Shade Trees,

Teas Weeping Mulberry

Will be short on a number of items

Correspondence Solicited

August Rolker & Sons NEW YORK

P. O. Box 752, or 31 Barclay Street.

AMERICAN AGENTS for leading French, English, Belgian and Holland Nurseries.

Write us for catalogues, stating what list you want

Have your customers kept their promise to pay their bills at Easter? If not do not wait; but send the claims to us. When we remind them they will probably pay.

NATIONAL FLORISTS BOARD OF TRADE
56 Pine Street, New York

American Fruits Directory of Organizations

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Programme—J. H. Dayton, Painesville, O.

Publicity—Orlando Harrison, Berlin, Md.

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Arrangements—John Hall, Rochester, N. Y.; J. H. Dayton, Painesville, O.; F. A. Weber, Nursery, Mo.

Editing Report—John Hall, Rochester, N. Y.; Prof. John Craig, Ithaca, N. Y.

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CHARLES DETRICHE, SR.,

ANGERS, - FRANCE,

Grower and Exporter of

Fruit Tree Stocks, Forest Tree Seedlings,
Rose Stocks, Shrubs, Vines and Con-
ifers for Nursery Planting

Information regarding stock, terms, prices, etc.
may be had on application to Mr. Detriche's sole
representative for the United States and Canada:

JACKSON & PERKINS CO.

Newark, New York.

Just say you saw it in AMERICAN FRUITS.

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WISCONSIN—R. J. Coe, Ft. Atkinson.

HORTICULTURAL ORGANIZATIONS.

American Apple Congress—Clinton L. Oliver, Denver, Colo.

American Association for Advancement of Science—L. O. Howard, Smithsonian Institute, Washington, D. C.

American Association of Park Superintendents—F. L. Mulford, Harrisburg, Ind.

American Carnation Society—A. J. F. Bauer, secretary, Indianapolis, Ind.

American Civic Association—R. B. Watrous, Washington, D. C.

American Federation of Horticultural Societies—Charles E. Bassett, Fennville, Mich.

American Peony Society—C. J. Maloy, Rochester, N. Y.

American Pomological Society—John Craig, Ithaca, N. Y.

American Society of Landscape Architects—Charles D. Lay, New York City, N. Y.

American Rose Society—Benjamin Hammond, Fishkill-on-Hudson, N. Y.

American Seed Trade Association—C. E. Kendall, Cleveland, O.

Canadian Horticultural Association—William E. Hall, Montreal.

Chrysanthemum Society of America—C. W. Johnson, Morgan Park, Ill.

Eastern Fruit Growers' Association—Nat. C. Frame, Martinsburg, Va.

Florists' and Nurserymen's Association of Montana—President, T. E. Mills, Helena; secretary-treasurer, J. W. Mallinson, Helena.

International Apple Shippers' Association—C. P. Rothwell, Martinsburg, W. Va.

International Society of Arboriculture—J. P. Brown, Connorsville, Ind.

Mississippi Valley Apple Growers' Society—James Handly, Quincy, Ill.

Missouri Valley Horticultural Society—A. V. Wilson, Muncie, Kan.

National Apple Show—Ren H. Rice, Spokane, Wash.

National Council of Horticulture—H. C. Irish, Botanical Garden, St. Louis, Mo.

National Horticultural Congress—Freeman L. Reed, Council Bluffs, Ia.

National Nut Growers' Association—J. F. Wilson, Poulan, Ga.

Northwestern Fruit Growers' Association—E. R. Lake, Corvallis, Ore.

Ornamental Growers' Association—C. J. Maloy, Rochester, N. Y.

Northern Nut Growers' Association—Dr. W. C. Deming, Westchester, N. Y.

Peninsula Horticultural Society—Wesley Webb, Dover, Del.

Society for Horticultural Science—C. P. Close, College Park, Md.

Society of American Florists and Ornamental Horticulturists—H. B. Dornier, Urbana, Ill.

Western Fruit Jobbers Association—E. B. Branch, Omaha, Neb.

Western Montana Apple Show—Oct. 16-21, J. Breitenstein, Missoula, Mont.

KNOX NURSERIES

Cherry Trees

One and two years old. The best the market affords.

H. M. Simpson & Sons,
VINCENNES, IND.

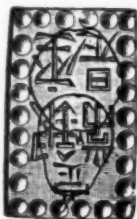
A FEW SPECIALS FOR FALL

10,000 Clematis Paniculata 2 yr.
5,000 Philadelphia strong 3-4 ft.
1,500 Spirea Aurea strong 3-4 ft.
1,000 Spirea Prunifolia 2-3 and 3-4.
and a full line of Shrubs and Herbaceous Plants.

NORMAN & HACKER
PAINESVILLE, OHIO

Heikes-Huntsville-Trees

HUNTSVILLE WHOLESALE NURSERIES



Huntsville, Ala.

For the Fall Trade of 1911
We Offer

Apples, Pears, Plums, Cherries,
Peaches, Roses, Pecans, and
Magnolia Grandifolia

In Large Quantities as Usual

See Our Price List for Particulars.

Address, **W. F. HEIKES, Mgr., Huntsville, Ala.**

Vincennes Nurseries

W. C. REED, Prop

Vincennes, Ind.

Leading Specialties for The Fall of 1911

Cherry, 2 year $\frac{3}{4}$ to 1 inch and 1 inch up. These are best Block we have ever grown
Cherry, one year, all leading varieties, strong on Sweets such as Bing, Lambert, Luelling and other Western sorts
Standard and Dwarf Pear, one and two year
150,000 Apple one year, strong on leading commercial sorts
10,000 Quince, one and two year
30,000 Plum, one and two year on Plum and Peach Roots
150,000 Peach, one year, all leading varieties
5,000 Norway Spruce 2 to 3 and 3 to 4 feet
Also general line of other stock. Personal inspection invited
Our Blocks of Cherry are among the largest in the country.
None better

Now is the time to figure **Fall 1911**
on your wants for

We are ready to quote lowest prices on **Orna-mental Trees, Shrubs, and Tree Seedlings** for **FALL DELIVERY, 1911.** If in need of genuine **Catalpa Speciosa** or **Black Locust Seedlings**, write for prices. We have them in any quantity.

The Willadean Nurseries

Warsaw, Kentucky

French Nursery Stocks

Fruit Tree Seedlings and Ornamentals

Pear, Apple, Plum and Cherry and Angers Quince Cuttings grown for the American trade. Pear and Crab Apple Seeds. Most complete assortment of Ornamental Stocks, Trees and Shrubs. Orders solicited and booked now at low rates.

E. T. DICKINSON, Chatenay,
Seine, France

GEO. E. DICKINSON, 1 Broadway, New York

FRUIT SHIPPERS

Are Now Using

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Send to Us for Samples and Prices

Rochester Lithographing Co.

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Colored Plates and
Printed Supplies
for Nurserymen

Grape Vines

We offer for Fall of 1911 delivery
the Largest and Most complete stock of

GRAPE VINES

in strong grades for nurserymen's and
dealers' trade

We also have an extra fine block of

PRESIDENT WILDER CURRANTS

which have made a strong growth

SEND LIST OF YOUR WANTS FOR PRICES

T. S. HUBBARD CO.

Established 1866

FREDONIA, N. Y.

Franklin Davis Nursery Co.,

BALTIMORE, MD.

We offer for FALL 1911 and SPRING 1912

APPLE—1 and 2 year; heavy on York Imperial, Stayman's Winesap, Grimes Golden, Rome Beauty, and other standard varieties in 1 year old

PEACH—General assortment

CHERRY—1, 2 and 3 year; some heavy trees

PEAR-STANDARD—Kieffer, 1 year

ASPARAGUS—1 and 2 year

CALIFORNIA PRIVET—1, 2 and 3 year, in carload lots, fine

ORIENTAL PLANES

CAROLINA POPLARS

NORWAY AND SILVER MAPLES

RHUBARB—1 and 2 year

We also have a general line of other stock. Send us your
Want List. We need your orders

We want PEACH SEED (Naturals)

For Direct Results in Advertising Use the National

AMERICAN FRUITS

Journal of Commercial Horticulture

CIRCULATING among Nurserymen and Horticulturists in Every State in the Union, in Canada and abroad, Carrying the news from every section regarding the Planting, Cultivating, Harvesting and Marketing of Enormous Fruit Production.

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ROCHESTER, N. Y.

Look Over this List of A-1 Harrison Stock Then Drop Us a Line for Particulars at Once!

KIEFFER PEAR TREES 2-year Buds

CONCORD GRAPE 2-year

MOORE'S EARLY GRAPE 2-year

BUDED APPLE 1 and 2-year

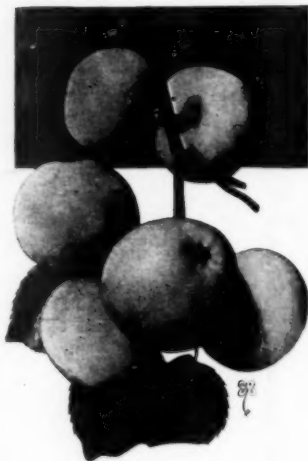
PEACH TREES 1-year

We're ALWAYS proud of the stock we supply, because it MUST BE RIGHT before it leaves us; if it doesn't measure up the Harrison standard it is hauled out and burned; never gets to the packing shed at all.

Here are a few EXTRA-GOOD things we're offering for the fall trade; they're well-grown, well-rooted, well-developed; and you and your customers will be quick to appreciate their high quality.

Drop us a line now for complete list, with prices: better still, say what you are most in need of and we'll quote on the quantity you want.

Come down and see us this summer; look over our 2500 acre place for yourself. Our doors are open, and we'll do our level best to make you glad you came. The State Horticultural Society will meet here Aug. 24th. Let us know when to expect you!



PEACH TREES

3,333,333 Budded a Year Ago at
Harrison's Nurseries

All these trees are of varieties that we carefully test in trial and fruiting orchards; we therefore know them to be of first quality and strictly reliable. We have over 100 varieties, 1-year buds as follows:

1 inch up,	7 to 8 feet
¾ to 1 inch,	6 to 7 feet
9-16 to ¾ inch,	5 to 6 feet
½ to 9-16,	4 to 5 feet
¾ to ½ inch,	3 to 4 feet
	2 to 3 feet

APPLE TREES

Apple trees that succeed—that are profitable to plant in home or commercial orchards—are our kind, and since you're interested in that sort, too, we'd like to talk it over with you.

We will have three million one-year budded apple trees—5 to 6 ft.

McIntosh	Red Astrachan
Baldwin	Early Harvest
Grimes'	Yellow Transparent
Stayman's	Rome Beauty
Stark	Winesap
Ben Davis	York Imperia.
Gano	

and other leading kinds.

900,000 one-year grafts

100,000 two-year buds and grafts

Baldwin	Yellow Transparent
Rome Beauty	Red Astrachan
Winesap	Early Harvest
York Imperial	Ben Davis
N. W. Greening	Gano
Transcendent Crab	Duchess
Stark	

and others—all well grown. Will have some one inch and up, extra grade trees.

PEAR, CHERRY, GRAPE, ETC.

Such fruits as pear, cherry, plum, grape, berries, vegetable roots, etc., are strong lines with us. We maintain trial and fruiting orchards, giving new varieties careful tests.

We will offer ten million Strawberry Plants next spring. Give us a call.

PEAR TREES KIEFFER

50,000 Kieffer Pear, 2 year ½, ¾, and 1 in.
50,000 Kieffer Pear, 1 year, 4 to 5 ft.; 5 to 6 ft.
All on French roots—no finer grown.

BARTLETT

10,000 Bartlett, 2 year ¾ and up and 1 inch up. No finer grown.
5,000 Bartlett, 2 year, ¾ to ¾; also Garber and Clapp's Favorite.

CHERRY TREES

30,000 2 yr. and 3 yr. Sweet and Sour Cherry; leading varieties, ¾ and ¾ in.
20,000 1 yr. Sweet and Sour Cherry.

QUINCE

2,000 Quince 1 year.

GRAPE VINES

16,000 Concord, 2 year, transplanted
10,000 Concord, 1 year, fine
10,000 Moore's, Early, 2 year transplanted
Our grapes are in fine shape; the vines will please you.

ASPARAGUS ROOTS

100,000 2 year strong Asparagus roots
200,000 1 year, leading varieties; Palmetto Barr's, Conover's, Giant.

ORNAMENTALS

MAPLE TREES

You'll not find a finer lot of maples than we grow in our Nurseries at Berlin; our rich, loose soil encourages root formation, and each tree has plenty of room to grow. Your trade will be pleased with these trees.

NORWAY MAPLES

100 Norway Maples, 3 inches, 12 feet
1,000 Norway Maples, 2 inches, 10 to 12 ft.
12,000 Norway Maples, 1½ inches, 10 feet
13,000 Norway Maples, 1¼ ins., 9 to 10 ft.
15,000 Norway Maples, 1 inch, 8 to 9 feet
110,000 Norway Maples, ¾ inch, 7 to 8 feet
Straight, smooth—no finer grown.

SUGAR MAPLES

1,000 1½ inch, 10 feet
1,000 1¼ inch, 8 to 10 feet

SILVER MAPLES

1,000 Silver Maples, 3 inches 12 feet
1,000 Silver Maples, 2 inches 10 to 12 feet
2,000 Silver Maples, 1¾ inches, 9 to 10 feet
3,000 Silver Maples, 1½ inches, 9 to 10 feet
4,000 Silver Maples, 1¼ inches, 9 to 10 feet
5,000 Silver Maples, 1 inch, 8 to 9 feet
10,000 Silver Maples, ¾ inch, 7 to 8 feet

MISCELLANEOUS

1,000 Russian Mulberry, 8 to 10 feet
1,000 Catalpas, 8 to 12 feet
1,000 Box Elder, 2 inches
1,000 American Black Ash, 1¼ inches
1,000 Carolina Poplars, 1¼ inches
1,000 American Linden, 1 inch
1,000 American Elm, 1 inch

CALIFORNIA PRIVET

Buy your privet from Privet Headquarters—we have acres and acres of it in all sizes and all ages. Can make prompt shipment of any quantity. You can build a reputation for quality on such Privet as this.

CALIFORNIA PRIVET—Continued

5,000 8 feet, 4 year, 9 branches or more
6,000 7 feet, 4 year, 8 branches or more
25,000 6 to 7 ft., 3 year, 7 branches or more
50,000 5 to 6 ft., 3 year, 7 branches or more
60,000 4 to 5 ft., 3 year, 7 branches or more
70,000 3 to 4 ft., 3 year, 7 branches or more
75,000 3 to 4 ft., 2 year, 6 branches or more
70,000 2 to 3 ft., 2 year, 5 branches or more
165,000 18 to 24 in., 2 yr, 4 branches or more
160,000 18 to 24 in., 1 yr, 3 branches or more
155,000 12 to 18 in., 1 yr, 3 branches or more
50,000 6 to 12 in., 1 yr, 3 branches or more

BERBERIS THUNBERGII

50,000 2 year, 12 to 18 inches
5,000 3 year, 18 inches
1,000 4 year, 2 to 3 feet

ROSES

5,000 Baby Ramblers

RHODODENDRONS—2,000

AZALEAS—2,000

SPRUCE, ARBORVITAE, ETC.

There's a great deal in knowing how to grow evergreens successfully. We pride ourselves on the high quality of the product of this department of our Nurseries. Neither time nor money has been spared to procure the best, and the stock we offer is such as you may well be proud to sell your trade. It includes some choice importations from the leading European Evergreen specialists. Get in touch with us before you order your stock for next year.

NORWAY SPRUCE

500 6 feet 500 4 feet
500 5 feet 500 3 feet
50,000 2 feet

KOSTER'S BLUE SPRUCE

1,000 2 feet 1,000 12 inches
1,000 18 inches 1,000 6 inches

COLORADO BLUE SPRUCE

50 3 to 4 feet 1,000 18 inches
1,000 12 inches

HEMLOCK SPRUCE

100 2 to 3 feet 100 18 inches

GLORY OF BOSKOOP

500 3 feet 500 2 feet

PYRAMIDAL AMERICAN ARBORVITAE

1,000 4 feet 1,000 3 feet

500 2 feet

BLUE CEDAR

500 4 to 5 feet 500 3 to 4 feet

AMERICAN ARBORVITAE

100 3 feet 1,000 2 feet

Harrison's Nurseries
J. G. HARRISON & SONS PROPRIETORS
BERLIN, MARYLAND